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NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 4 AUG 13 CA/Caplus enhanced with additional kind codes for granted patents  
NEWS 5 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records  
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INFADOCDB  
NEWS 7 AUG 27 USPATOLD now available on STN  
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 10 SEP 13 FORIS renamed to SOFIS  
NEWS 11 SEP 13 INFADOCDB enhanced with monthly SDI frequency  
NEWS 12 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998  
NEWS 13 SEP 17 Caplus coverage extended to include traditional medicine patents  
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 15 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt  
NEWS 16 OCT 19 BEILSTEIN updated with new compounds  
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced  
NEWS 18 NOV 19 WPIX enhanced with XML display format  
NEWS 19 NOV 30 ICSD reloaded with enhancements  
NEWS 20 DEC 04 LINPADOCDB now available on STN  
NEWS 21 DEC 14 BEILSTEIN pricing structure to change  
NEWS 22 DEC 17 USPATOLD added to additional database clusters  
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN  
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences  
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment  
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary  
NEWS 27 DEC 17 CA/Caplus enhanced with new custom IPC display formats  
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD  
NEWS 29 JAN 02 STN pricing information for 2008 now available  
NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances  
NEWS 31 JAN 28 USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats  
NEWS 32 JAN 28 MARPAT searching enhanced

NEWS 33 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication  
NEWS 34 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment  
NEWS 35 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements  
NEWS 36 FEB 08 STN Express, Version 8.3, now available

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 24 JANUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 00:21:02 ON 12 FEB 2008

FILE 'REGISTRY' ENTERED AT 00:21:11 ON 12 FEB 2008  
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STRUCTURE FILE UPDATES: 10 FEB 2008 HIGHEST RN 1002565-97-0  
DICTIONARY FILE UPDATES: 10 FEB 2008 HIGHEST RN 1002565-97-0

New CAS Information Use Policies. enter HELP USAGETERMS for details.

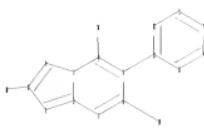
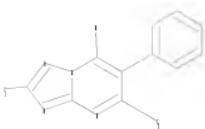
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqgen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10582984B.str



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chain nodes :
18 19
ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16
ring/chain nodes :
10
chain bonds :
4-10 5-11 6-19 8-18
ring bonds :
1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 3-9 4-5 4-10 5-6 6-19 7-8 8-9 8-18
exact bonds :
5-11
normalized bonds :
11-12 11-16 12-13 13-14 14-15 15-16
isolated ring systems :
containing 1 : 11 :
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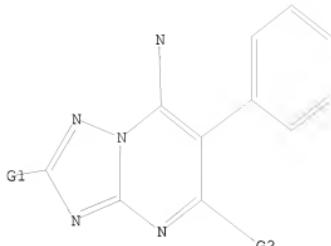
G1:H,CH3

G2:CN,Ak,O

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 18:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> D L1  
L1 HAS NO ANSWERS  
L1 STR



G1 H,Me  
G2 CN,Ak,O

Structure attributes must be viewed using STN Express query preparation.

=> S L1 SAM  
SAMPLE SEARCH INITIATED 00:21:32 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 312 TO ITERATE

100.0% PROCESSED 312 ITERATIONS 19 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5181 TO 7299  
PROJECTED ANSWERS: 119 TO 641

L2 19 SEA SSS SAM L1

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100.0% PROCESSED 6229 ITERATIONS 344 ANSWERS  
SEARCH TIME: 00.00.01

L3 344 SEA SSS FUL L1

=> FIL CAPL  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
178.36 178.57

FILE 'CAPLUS' ENTERED AT 00:21:41 ON 12 FEB 2008  
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FILE COVERS 1907 - 12 Feb 2008 VOL 148 ISS 7  
FILE LAST UPDATED: 10 Feb 2008 (20080210/ED)

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<http://www.cas.org/infopolicy.html>

=> S L3  
L4 34 L3

=> S L4 NOT (2008/SO OR 2007/SO OR 2006/SO OR 2004/SO)

68532 2008/SO  
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927604 2006/SO  
848572 2004/SO

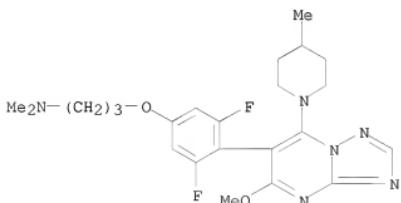
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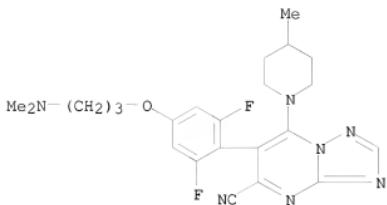
LS ANSWER 1 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2008:70884 CAPLUS  
 TITLE: Preparation of azolopyrimidines as fungicides  
 INVENTOR(S): Dietz, Jochen; Grammenos, Wassilios; Mueller, Bernd;  
 Lohmann, Jan Klaas; Renner, Jens; Ulmschneider, Sarah;  
 Vrettou, Marianna  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 136pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

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WO 2008006761	A1	20080117	WO 2007-EP56785	20070705
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-117101 A 20060713  
 IT 1002116-81-5P 1002116-82-6P 1002116-84-8P  
 1002117-14-7P 1002117-15-8P 1002117-16-9P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
 (preparation of azolopyrimidines as fungicides)  
 RN 1002116-81-5 CAPLUS  
 CN 1-Propanamine, 3-[3,5-difluoro-4-[5-methoxy-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]phenoxy]-N,N-dimethyl-  
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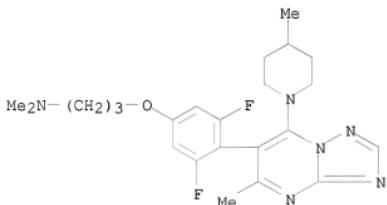


RN 1002116-82-6 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-[4-[3-(dimethylamino)propoxy]-2,6-difluorophenyl]-7-(4-methyl-1-piperidinyl)-  
 (CA INDEX NAME)



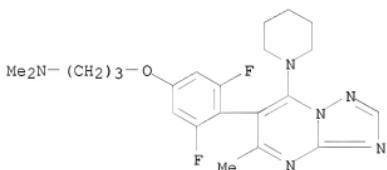
RN 1002116-84-8 CAPLUS

CN 1-Propanamine, 3-[3,5-difluoro-4-[5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]phenoxy]-N,N-dimethyl- (CA INDEX NAME)



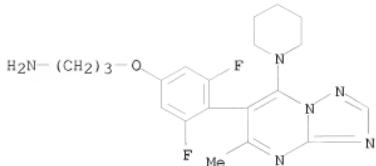
RN 1002117-14-7 CAPLUS

CN 1-Propanamine, 3-[3,5-difluoro-4-[5-methyl-7-(1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]phenoxy]-N,N-dimethyl- (CA INDEX NAME)

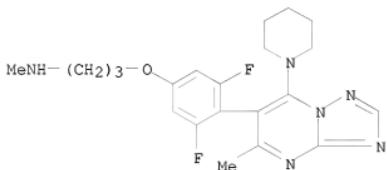


RN 1002117-15-8 CAPLUS

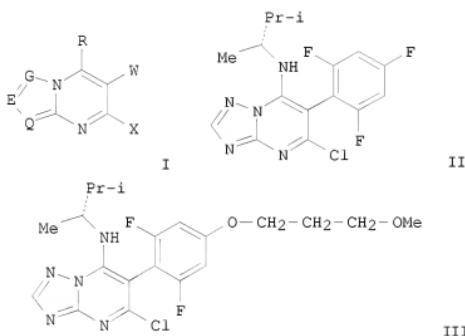
CN 1-Propanamine, 3-[3,5-difluoro-4-[5-methyl-7-(1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]phenoxy]- (CA INDEX NAME)



RN 1002117-16-9 CAPLUS  
 CN 1-Propanamine, 3-[3,5-difluoro-4-[5-methyl-7-(1-piperidinyl){1,2,4}triazolo[1,5-a]pyrimidin-6-yl]phenoxy]-N-methyl- (CA INDEX NAME)



GI



AB Title compds. I {G, E, Q = N, C-W1, C-W2 with provisos; W1, W2 = H, halo, CN, etc.; R = NR1R2, alkyl, haloalkyl, etc.; R1, R2 = H, alkyl, alkenyl,

etc.; W = Ph, 5- or 6-membered heteroaryl ring with provisos; X = halo, CN, alkyl, etc.] were prepared. For example, O-arylation of 3-methoxypropanol with fluorophenyl II afforded azolopyrimidine III. In *puccinia recondita* protection assays, 74 examples exhibited 90% protection after 7 days.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 2 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:998811 CAPLUS  
 DOCUMENT NUMBER: 147:323007  
 TITLE: Preparation of 6-phenyl-7-amino-1,2,4-triazolo[1,5-a]pyrimidines as agricultural fungicides  
 INVENTOR(S): Dietz, Jochen; Grote, Thomas; Grammenos, Wassilios;  
 Mueller, Bernd; Lohmann, Jan Klaas; Renner, Jens;  
 Ulmschneider, Sarah  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 67pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007099092	A1	20070907	WO 2007-EP51831	20070227
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: EP 2006-4006 A 20060228

OTHER SOURCE(S): MARPAT 147:323007

IT 947737-20-4P 947737-21-5P 947737-22-6P  
 947737-46-4P 947737-47-5P 947737-48-6P  
 947737-49-7P 947737-50-0P 947737-51-1P  
 947737-53-3P 947737-54-4P 947737-55-5P  
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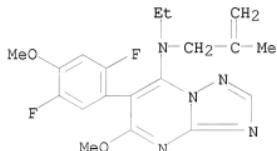
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RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (phenyl)(amino)triazolopyrimidines as agricultural fungicides)

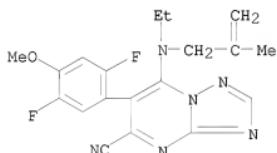
RN 947737-20-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-ethyl-5-methoxy-N-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)



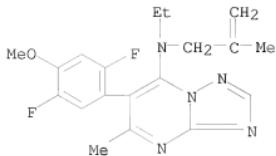
RN 947737-21-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[ethyl(2-methyl-2-propen-1-yl)amino]- (CA INDEX NAME)



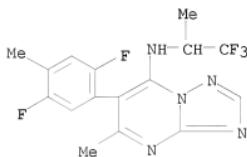
RN 947737-22-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-ethyl-5-methyl-N-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)



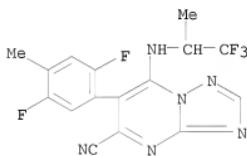
RN 947737-46-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-N-(2,2,2-trifluoro-1-methylethyl)- (CA INDEX NAME)



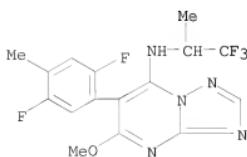
RN 947737-47-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-[(2,2,2-trifluoro-1-methylethyl)amino]- (CA INDEX NAME)



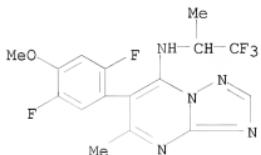
RN 947737-48-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-N-(2,2,2-trifluoro-1-methylethyl)- (CA INDEX NAME)



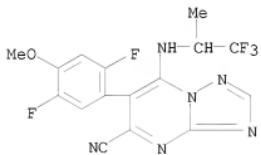
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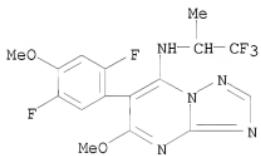
RN 947737-50-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(2,2,2-trifluoro-1-methylethyl)amino]- (CA INDEX NAME)



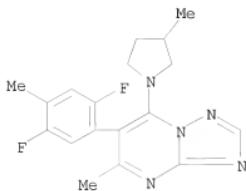
RN 947737-51-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-N-(2,2,2-trifluoro-1-methylethyl)- (CA INDEX NAME)

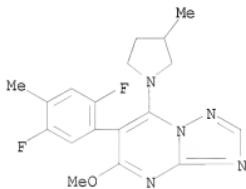


RN 947737-53-3 CAPLUS

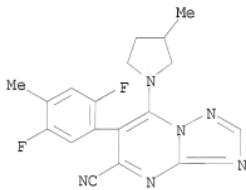
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



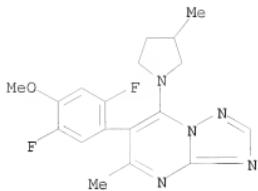
RN 947737-54-4 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



RN 947737-55-5 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)

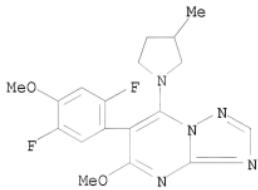


RN 947737-56-6 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



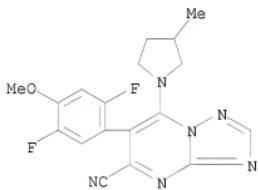
RN 947737-57-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



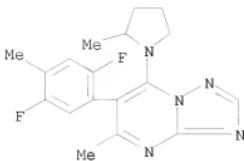
RN 947737-58-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(3-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



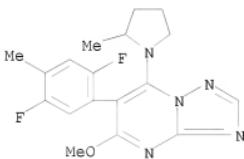
RN 947737-60-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



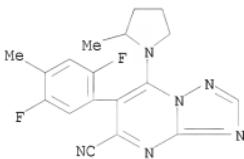
RN 947737-61-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



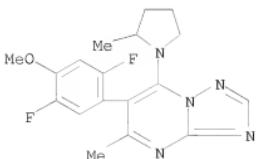
RN 947737-62-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



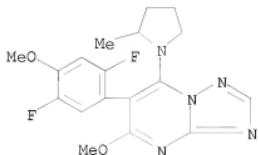
RN 947737-63-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



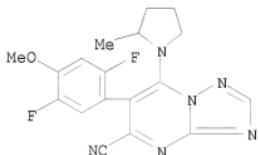
RN 947737-64-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



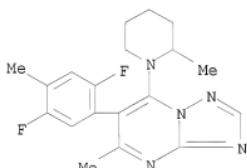
RN 947737-65-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



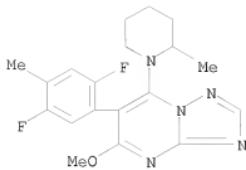
RN 947737-67-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)

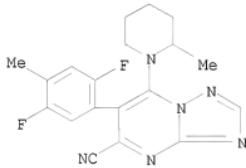


RN 947737-68-0 CAPLUS

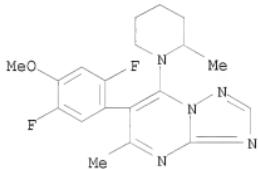
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



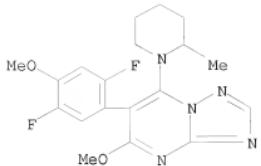
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)

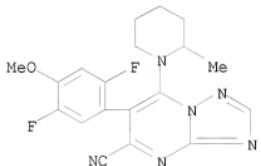


CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



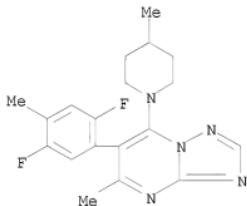
RN 947737-72-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



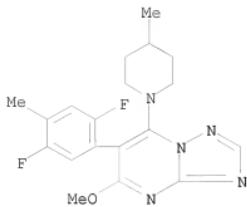
RN 947737-73-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



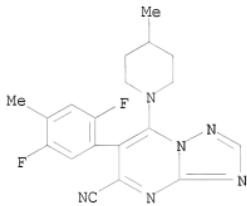
RN 947737-74-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



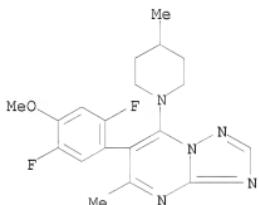
RN 947737-75-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



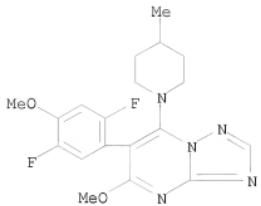
RN 947737-76-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



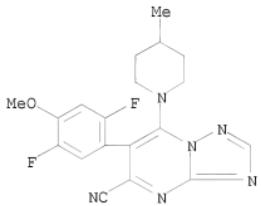
RN 947737-77-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



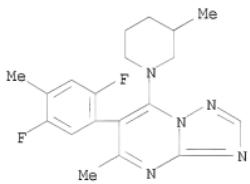
RN 947737-78-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



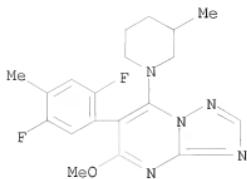
RN 947737-80-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



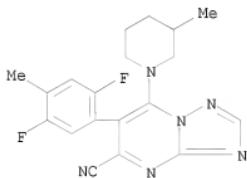
RN 947737-81-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



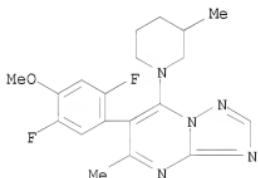
RN 947737-82-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



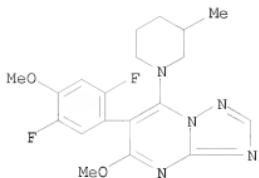
RN 947737-83-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



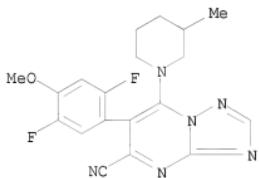
RN 947737-84-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



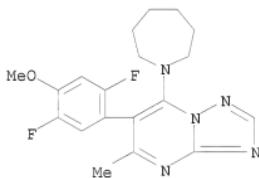
RN 947737-85-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)



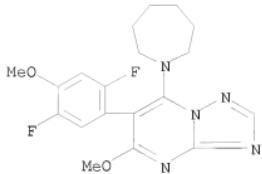
RN 947737-86-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-7-(hexahydro-1H-azepin-1-yl)-5-methyl- (CA INDEX NAME)



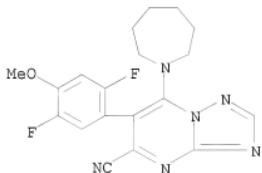
RN 947737-87-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methoxyphenyl)-7-(hexahydro-1H-azepin-1-yl)-5-methoxy- (CA INDEX NAME)



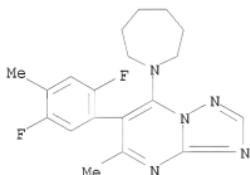
RN 947737-88-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(hexahydro-1H-azepin-1-yl)- (CA INDEX NAME)



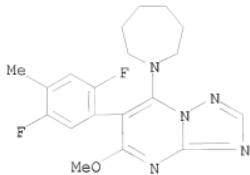
RN 947737-90-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-7-(hexahydro-1H-azepin-1-yl)-5-methyl- (CA INDEX NAME)

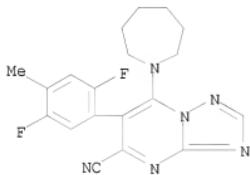


RN 947737-91-9 CAPLUS

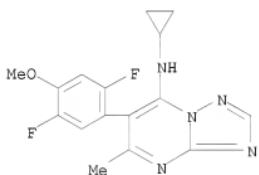
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,5-difluoro-4-methylphenyl)-7-(hexahydro-1H-azepin-1-yl)-5-methoxy- (CA INDEX NAME)



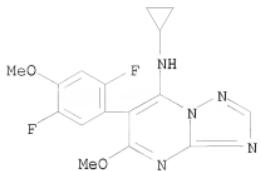
RN 947737-92-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-(hexahydro-1H-azepin-1-yl)- (CA INDEX NAME)



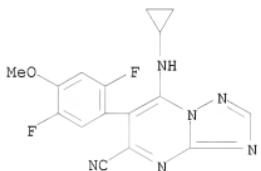
RN 947737-93-1 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopropyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)



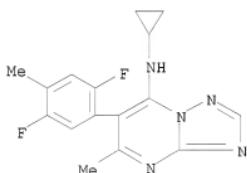
RN 947737-94-2 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopropyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy- (CA INDEX NAME)



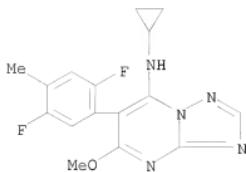
RN 947737-95-3 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclopropylamino)-6-(2,5-difluoro-4-methoxyphenyl)- (CA INDEX NAME)



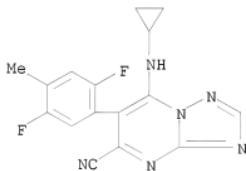
RN 947737-97-5 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopropyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)



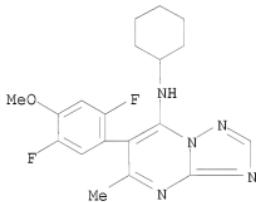
RN 947737-98-6 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopropyl-6-(2,5-difluoro-4-methylphenyl)-5-methoxy- (CA INDEX NAME)



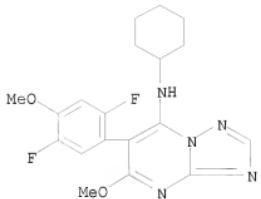
RN 947737-99-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclopropylamino)-6-(2,5-difluoro-4-methylphenyl)- (CA INDEX NAME)



RN 947738-00-3 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclohexyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)

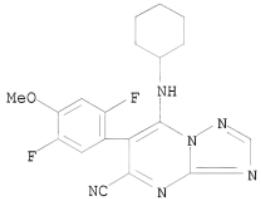


RN 947738-01-4 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclohexyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy- (CA INDEX NAME)



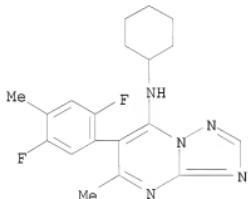
RN 947738-02-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclohexylamino)-6-(2,5-difluoro-4-methoxyphenyl)- (CA INDEX NAME)



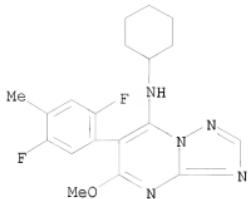
RN 947738-04-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclohexyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)



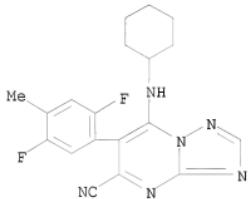
RN 947738-05-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclohexyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy- (CA INDEX NAME)



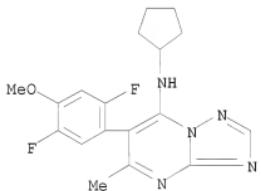
RN 947738-06-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclohexylamino)-6-(2,5-difluoro-4-methylphenyl)- (CA INDEX NAME)



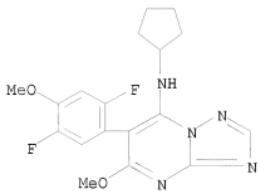
RN 947738-07-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)

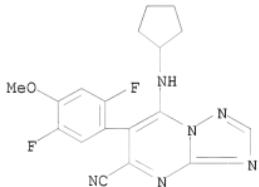


RN 947738-08-1 CAPLUS

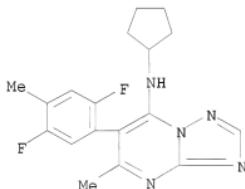
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy- (CA INDEX NAME)



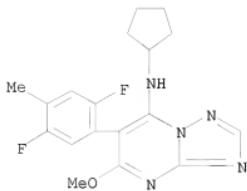
RN 947738-09-2 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclopentylamino)-6-(2,5-difluoro-4-methoxyphenyl)- (CA INDEX NAME)



RN 947738-11-6 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methyl- (CA INDEX NAME)

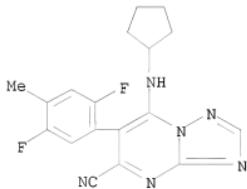


RN 947738-12-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy- (CA INDEX NAME)



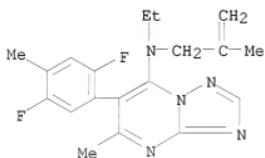
RN 947738-13-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclopentylamino)-6-(2,5-difluoro-4-methylphenyl)- (CA INDEX NAME)



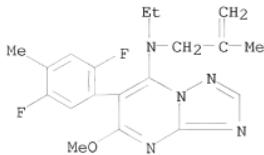
RN 947738-14-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-ethyl-5-methyl-N-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)



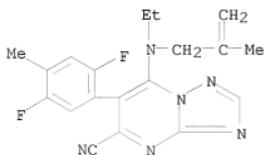
RN 947738-15-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-ethyl-5-methoxy-N-(2-methyl-2-propen-1-yl)- (CA INDEX NAME)



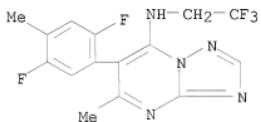
RN 947738-16-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(ethyl(2-methyl-2-propenyl)amino)methyl]- (CA INDEX NAME)



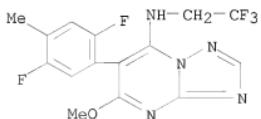
RN 947738-17-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-N-(2,2,2-trifluoroethyl)- (CA INDEX NAME)



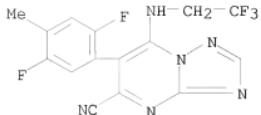
RN 947738-18-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-N-(2,2,2-trifluoroethyl)- (CA INDEX NAME)

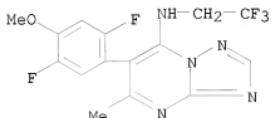


RN 947738-19-4 CAPLUS

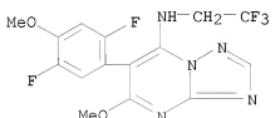
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(2,2,2-trifluoroethyl)amino]- (CA INDEX NAME)



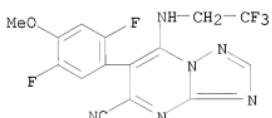
RN 947738-20-7 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-N-(2,2,2-trifluoroethyl)- (CA INDEX NAME)



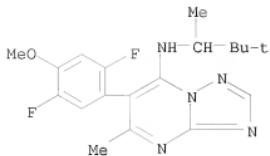
RN 947738-21-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-N-(2,2,2-trifluoroethyl)- (CA INDEX NAME)



RN 947738-22-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(2,2,2-trifluoroethyl)amino]- (CA INDEX NAME)

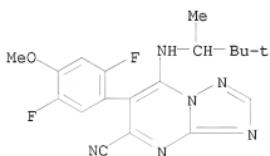


RN 947738-23-0 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-N-(1,2,2-trimethylpropyl)- (CA INDEX NAME)



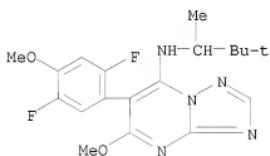
RN 947738-24-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(1,2,2-trimethylpropyl)amino]- (CA INDEX NAME)



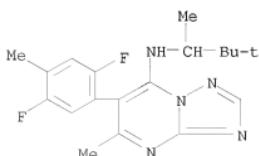
RN 947738-25-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-N-(1,2,2-trimethylpropyl)- (CA INDEX NAME)

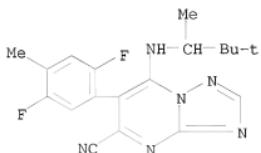


RN 947738-27-4 CAPLUS

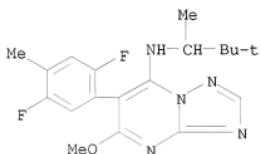
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-N-(1,2,2-trimethylpropyl)- (CA INDEX NAME)



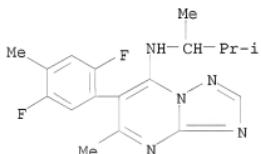
RN 947738-28-5 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-[(1,2,2-trimethylpropyl)amino]- (CA INDEX NAME)



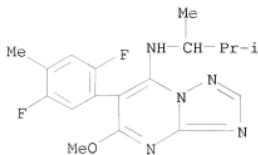
RN 947738-29-6 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-N-(1,2,2-trimethylpropyl)- (CA INDEX NAME)



RN 947738-31-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-(1,2-dimethylpropyl)-5-methyl- (CA INDEX NAME)

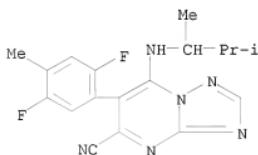


RN 947738-32-1 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-(1,2-dimethylpropyl)-5-methoxy- (CA INDEX NAME)



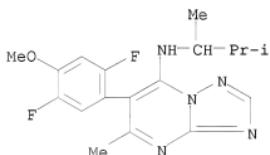
RN 947738-33-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-((1,2-dimethylpropyl)amino)- (CA INDEX NAME)



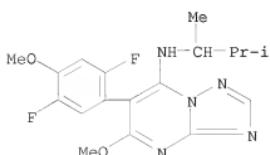
RN 947738-34-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-(1,2-dimethylpropyl)-5-methyl- (CA INDEX NAME)



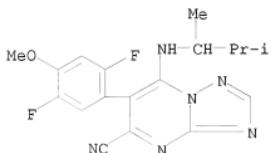
RN 947738-35-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-(1,2-dimethylpropyl)-5-methoxy- (CA INDEX NAME)



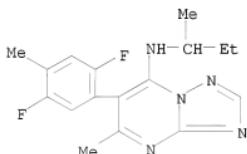
RN 947738-36-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(1,2-dimethylpropyl)amino]- (CA INDEX NAME)



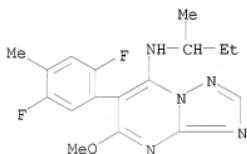
RN 947738-38-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-N-(1-methylpropyl)- (CA INDEX NAME)



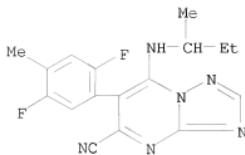
RN 947738-39-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-N-(1-methylpropyl)- (CA INDEX NAME)



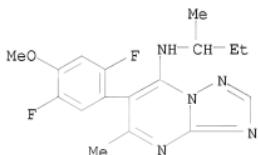
RN 947738-40-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-[(1-methylpropyl)amino]- (CA INDEX NAME)



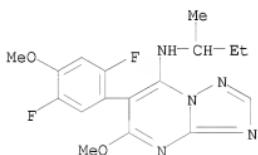
RN 947738-41-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-N-(1-methylpropyl)- (CA INDEX NAME)



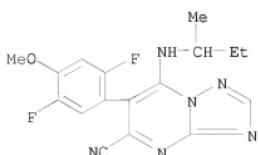
RN 947738-42-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methoxy-N-(1-methylpropyl)- (CA INDEX NAME)

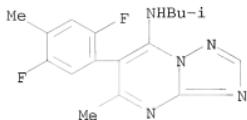


RN 947738-43-4 CAPLUS

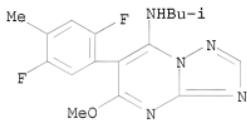
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(1-methylpropyl)amino]- (CA INDEX NAME)



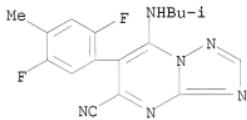
RN 947738-45-6 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methyl-N-(2-methylpropyl)- (CA INDEX NAME)



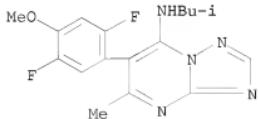
RN 947738-46-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-5-methoxy-N-(2-methylpropyl)- (CA INDEX NAME)



RN 947738-47-8 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-[(2-methylpropyl)amino]- (CA INDEX NAME)

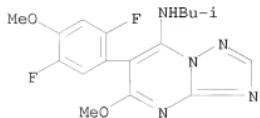


RN 947738-48-9 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-5-methyl-N-(2-methylpropyl)- (CA INDEX NAME)



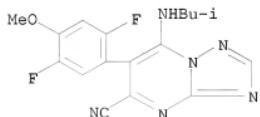
RN 947738-49-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-

5-methoxy-N-(2-methylpropyl)- (CA INDEX NAME)



RN 947738-50-3 CAPLUS

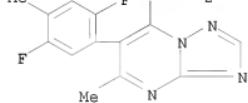
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(2-methylpropyl)amino]- (CA INDEX NAME)



RN 947738-52-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-(2,2,3,3,4,4,4-heptafluorobutyl)-5-methyl- (CA INDEX NAME)

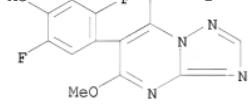
Me F NH-CH<sub>2</sub>-CF<sub>2</sub>-CF<sub>2</sub>-CF<sub>3</sub>



RN 947738-53-6 CAPLUS

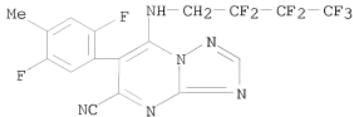
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methylphenyl)-N-(2,2,3,3,4,4,4-heptafluorobutyl)-5-methoxy- (CA INDEX NAME)

Me F NH-CH<sub>2</sub>-CF<sub>2</sub>-CF<sub>2</sub>-CF<sub>3</sub>

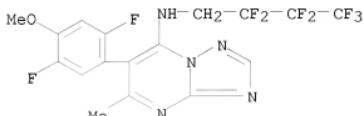


RN 947738-54-7 CAPLUS

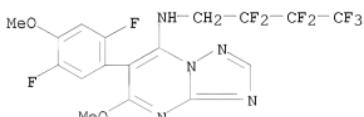
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methylphenyl)-7-[(2,2,3,3,4,4,4-heptafluorobutyl)aminol]- (CA INDEX NAME)



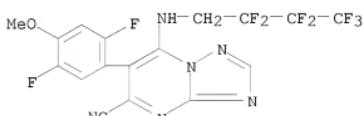
RN 947738-55-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-(2,2,3,3,4,4-heptafluorobutyl)-5-methyl- (CA INDEX NAME)



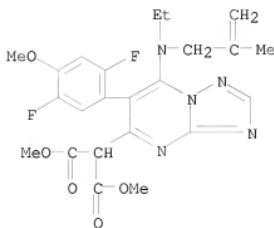
RN 947738-56-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,5-difluoro-4-methoxyphenyl)-N-(2,2,3,3,4,4-heptafluorobutyl)-5-methoxy- (CA INDEX NAME)



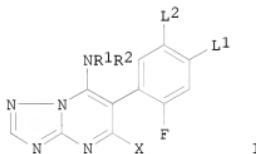
RN 947738-57-0 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,5-difluoro-4-methoxyphenyl)-7-[(2,2,3,3,4,4-heptafluorobutyl)amino]- (CA INDEX NAME)



IT 947737-23-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of (phenyl)(amino)triazolopyrimidines as agricultural fungicides)  
 RN 947737-23-7 CAPLUS  
 CN Propanedioic acid, 2-[6-(2,5-difluoro-4-methoxyphenyl)-7-[ethyl(2-methyl-2-propen-1-yl)amino][1,2,4]triazolo[1,5-a]pyrimidin-5-yl]-, 1,3-dimethyl



GI

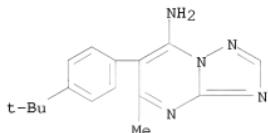


AB The title compds. (I; R1 = (substituted) (halo)alkyl, (halo)cycloalkyl, (halo)alkenyl, (halo)cycloalkenyl, (halo)alkynyl, Ph, naphthyl, 5-6 membered heterocyclyl containing 1-4 heteroatoms selected from O, N and S; R2 = H, R1; L1 = alkyl, alkoxy; L2 = F, Cl, alkyl; X = halo, cyano, (halo)alkyl, alkoxy, haloalkoxy, were prepared. Thus, a mixture of 5,7-dichloro-6-(2,5-difluoro-4-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine, N-ethyl-2-methylallylamine and Et3N in CH2Cl2 was stirred over night at room temperature to give 68% 5-chloro-6-(2,5-difluoro-4-methoxyphenyl)-7-[N-ethyl-N-(2-methyl)-2-propen-1-ylamino]-1,2,4-triazolo[1,5-a]pyrimidine. The latter as a 63 ppm spray on tomato infected with *Alternaria solani* reduced infection to 10% vs. 90% for untreated controls.

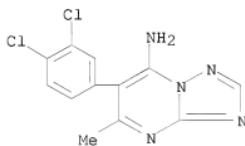
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 3 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:466736 CAPLUS  
 DOCUMENT NUMBER: 147:441768  
 TITLE: Ternary fungicidal mixtures based on azolopyrimidinylamines  
 AUTHOR(S): Anon.  
 CORPORATE SOURCE: USA  
 SOURCE: IP.com Journal (2007), 7(3B), 10 (No. IPCOM000147377D), 12 Mar 2007  
 CODEN: IJPOBX; ISSN: 1533-0001  
 PUBLISHER: IP.com, Inc.  
 DOCUMENT TYPE: Journal; Patent  
 LANGUAGE: German  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 147377D	-----	20070312	IP 2007-147377D	20070312
PRIORITY APPLN. INFO.:				
IT 85841-37-8 922175-29-9				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (active component, mixed with active substance/s; ternary fungicidal mixts. based on azolopyrimidinylamines)				
RN 85841-37-8 CAPLUS				
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl- (CA INDEX NAME)				



RN 922175-29-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3,4-dichlorophenyl)-5-methyl- (CA INDEX NAME)



AB Ternary fungicidal formulations are presented containing 1)  
 5-alkyl-6-phenyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine or  
 5,6-dialkyl-[1,2,4]triazolo[1,5-a]pyrimidin-7-ylamine as active components  
 and 2) 2 active substances selected from: ethaboxam, strobilurines  
 carbonic acid amides, dithiocarbamates, phosphorous acid (salts) and  
 copper-containing fungicides. The formulations are effective against a large

spectrum of phytopathogenic fungi and can be applied in crops modified by genetic engineering. They can be applied as foliar or soil fungicides or for seed coating in many crops.

LS ANSWER 4 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:118112 CAPLUS  
 DOCUMENT NUMBER: 146:178815  
 TITLE: Fungicidal 5-methyl-6-phenyltriazolopyrimidinyl amines  
 and their preparation  
 INVENTOR(S): Dietz, Jochen; Grote, Thomas; Huenger, Udo; Lohmann,  
 Jan Klaas; Mueller, Bernd; Renner, Jens; Ulmschneider,  
 Sarah; Grammenos, Wassilios; Rheinheimer, Joachim  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 32pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007012602	A1	20070201	WO 2006-EP64469	20060720
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: DE 2005-102005035685A 20050727

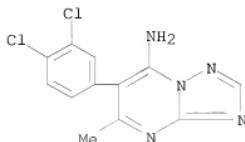
OTHER SOURCE(S): MARPAT 146:178815

IT 922175-29-9 922186-91-2 922186-97-8  
 922186-99-0 922187-01-7 922187-02-8  
 922187-03-9 922187-06-2 922187-07-3  
 922187-08-4 922187-09-5

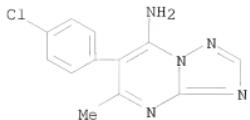
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (as fungicide for controlling plant pathogenic fungi)

RN 922175-29-9 CAPLUS

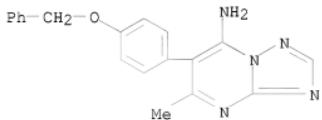
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3,4-dichlorophenyl)-5-methyl-  
 (CA INDEX NAME)



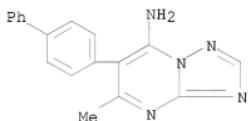
RN 922186-91-2 CAPLUS  
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 INDEX NAME)



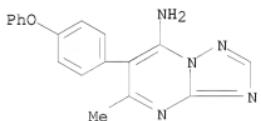
RN 922186-97-8 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-[4-  
(phenylmethoxy)phenyl]- (CA INDEX NAME)



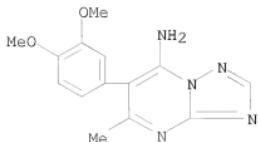
RN 922186-99-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[1,1'-biphenyl]-4-yl-5-methyl-  
(CA INDEX NAME)



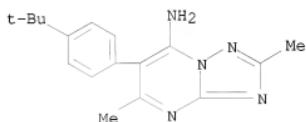
RN 922187-01-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-(4-phenoxyphenyl)-  
(CA INDEX NAME)



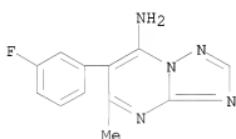
RN 922187-02-8 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3,4-dimethoxyphenyl)-5-methyl-  
(CA INDEX NAME)



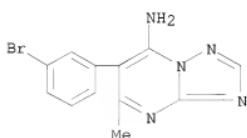
RN 922187-03-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-2,5-dimethyl- (CA INDEX NAME)



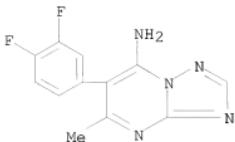
RN 922187-06-2 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3-fluorophenyl)-5-methyl- (CA INDEX NAME)



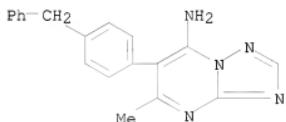
RN 922187-07-3 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3-bromophenyl)-5-methyl- (CA INDEX NAME)



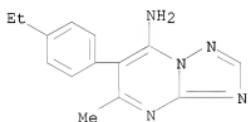
RN 922187-08-4 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3,4-difluorophenyl)-5-methyl- (CA INDEX NAME)



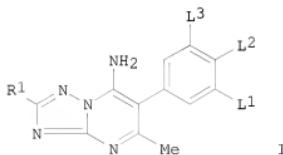
RN 922187-09-5 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-[4-(phenylmethyl)phenyl]- (CA INDEX NAME)



IT 922186-87-6P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation and use as fungicide for controlling plant pathogenic fungi)  
 RN 922186-87-6 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(4-ethylphenyl)-5-methyl- (CA INDEX NAME)



GI



AB 5-Methyl-6-phenyltriazolopyrimidinyl amines (I, L1, L3 = H, halo, OH, SH, NO<sub>2</sub>, alk(en)yl, Ph, etc.; L2 = H, halo, OH, (halo)alkyl, alkoxy, benzylthio, etc.; R1 = H, halo, CN, (cyclo)alkyl, alkylthio, etc.) are fungicides that are used for controlling plant pathogenic fungi. The compds. are produced by a method that involves reacting a  $\beta$ -keto ester with an aminotriazole. Thus, tomato plants were sprayed with a solution containing 250 ppm I (L1, L3, R1 = H; L2 = Et) (preparation given), then inoculated with Phytophthora infestans. After 6 days at 18-20° in a humid chamber,  $\leq$ 10% of the treated plants were infected, whereas up to 90% of untreated plants were.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 5 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2007:117616 CAPLUS  
 DOCUMENT NUMBER: 146:200212  
 TITLE: Synergistic fungicidal mixtures based on  
 azolopyrimidinylamines  
 INVENTOR(S): Beck, Christine; Niedenbrueck, Matthias; Scherer,  
 Maria; Stierl, Reinhard; Strathmann, Siegfried;  
 Huenger, Udo  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 62pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007012598	A1	20070201	WO 2006-EP64463	20060720
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: DE 2005-10200503568A 20050727

OTHER SOURCE(S): MARPAT 146:200212

IT 922174-99-0 922175-00-6 922175-30-2  
 922175-31-3 922175-32-4 922175-33-5  
 922175-34-6 922175-35-7 922175-36-8  
 922175-37-9 922175-38-0 922175-39-1  
 922175-40-4 922175-41-5 922175-42-6  
 922175-43-7 922175-44-8 922175-45-9  
 922175-46-0 922176-68-9 922176-69-0  
 922176-70-3 922176-71-4 922176-72-5  
 922176-93-0 922176-94-1 922176-95-2  
 922176-96-3 922176-97-4 922176-98-5  
 922176-99-6 922177-00-2 922177-01-3

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic fungicide for controlling plant pathogens)

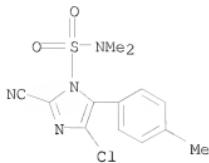
RN 922174-99-0 CAPLUS

CN 1H-Imidazole-1-sulfonamide, 4-chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

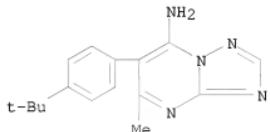
CRN 120116-88-3

CMF C13 H13 Cl N4 O2 S



CM 2

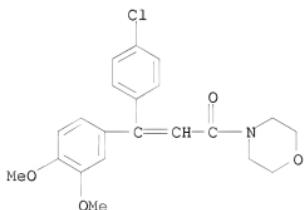
CRN 85841-37-8  
CMF C16 H19 N5



RN 922175-00-6 CAPLUS  
CN 2-Propen-1-one, 3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-(4-morpholinyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

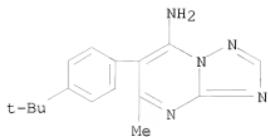
CM 1

CRN 110488-70-5  
CMF C21 H22 Cl N O4



CM 2

CRN 85841-37-8  
CMF C16 H19 N5



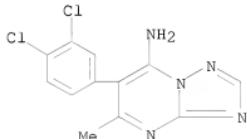
RN 922175-30-2 CAPLUS

CN 4H-Imidazol-4-one, 3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-, (5S)-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

CRN 922175-29-9

CMF C12 H9 C12 N5

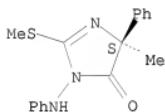


CM 2

CRN 161326-34-7

CMF C17 H17 N3 O S

Absolute stereochemistry. Rotation (+).



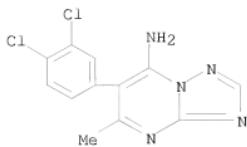
RN 922175-31-3 CAPLUS

CN Benzeneacetamide, 2-[[[3-(4-chlorophenyl)-1-methyl-2-propen-1-ylidene]amino]oxy]methyl]-α-(methoxyimino)-N-methyl-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

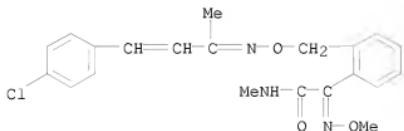
CRN 922175-29-9

CMF C12 H9 C12 N5



CM 2

CRN 238410-31-6  
 CMF C21 H22 Cl N3 O3

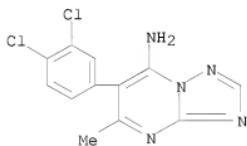


RN 922175-32-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)-ethyl]-a-(2-propyn-1-yloxy)-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl-1,2,4-triazolo[1,5-a]pyrimidin-7-amine  
 (CA INDEX NAME)

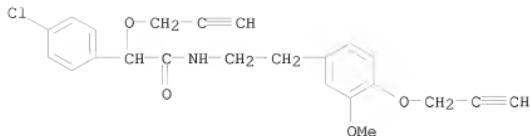
CM 1

CRN 922175-29-9  
 CMF C12 H9 Cl2 N5



CM 2

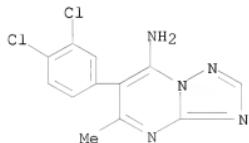
CRN 374726-62-2  
 CMF C23 H22 Cl N O4



RN 922175-33-5 CAPLUS  
 CN Methanone, [2-[(6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl)oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)-, O-methyloxime, (1E)-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

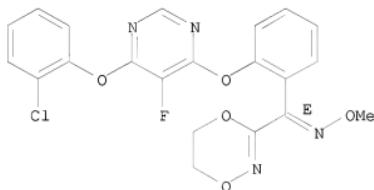
CRN 922175-29-9  
 CMF C12 H9 C12 N5



CM 2

CRN 361377-29-9  
 CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.

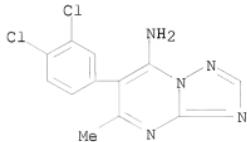


RN 922175-34-6 CAPLUS  
 CN Carbamic acid, N-[2-[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]carboxylmethyl]phenyl]methoxy-, methyl ester, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

CRN 922175-29-9

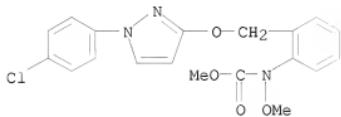
CMF C12 H9 C12 N5



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



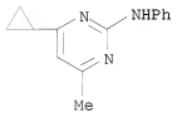
RN 922175-35-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl-, mixt. with 4-cyclopropyl-6-methyl-N-phenyl-2-pyrimidinamine (CA INDEX NAME)

CM 1

CRN 121552-61-2

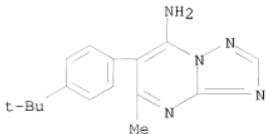
CMF C14 H15 N3



CM 2

CRN 85841-37-8

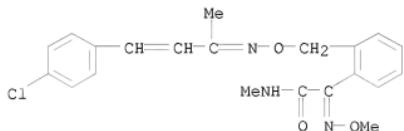
CMF C16 H19 N5



RN 922175-36-8 CAPLUS  
 CN Benzenesacamide, 2-[[[3-(4-chlorophenyl)-1-methyl-2-propen-1-ylidene]amino]oxy]methyl- $\alpha$ -(methoxyimino)-N-methyl-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

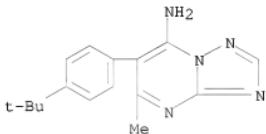
CM 1

CRN 238410-31-6  
 CMF C21 H22 Cl N3 O3



CM 2

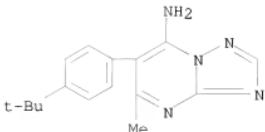
CRN 85841-37-8  
 CMF C16 H19 N5



RN 922175-37-9 CAPLUS  
 CN Alanine, N-(2,6-dimethylphenyl)-N-(2-phenylacetyl)-, methyl ester, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

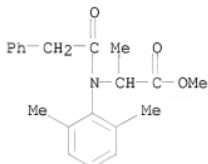
CM 1

CRN 85841-37-8  
 CMF C16 H19 N5



CM 2

CRN 71626-11-4  
CMF C20 H23 N O3

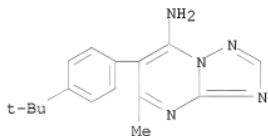


RN 922175-38-0 CAPLUS

CN Acetamide, N-(2-(6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

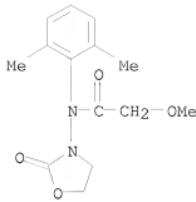
CM 1

CRN 85841-37-8  
CMF C16 H19 N5



CM 2

CRN 77732-09-3  
CMF C14 H18 N2 O4



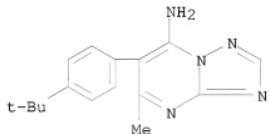
RN 922175-39-1 CAPLUS

CN Acetamide, 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

CRN 85841-37-8

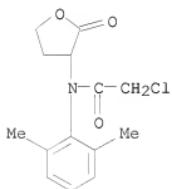
CMF C16 H19 N5



CM 2

CRN 58810-48-3

CMF C14 H16 Cl N O3



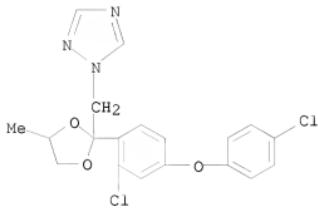
RN 922175-40-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl-, mixt. with 1-[(2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl)methyl]-1H-1,2,4-triazole (CA INDEX NAME)

CM 1

CRN 119446-68-3

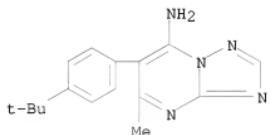
CMF C19 H17 C12 N3 O3



CM 2

CRN 85841-37-8

CMF C16 H19 N5



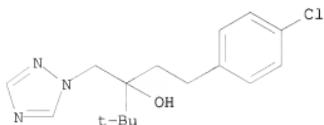
RN 922175-41-5 CAPLUS

CN 1H-1,2,4-Triazole-1-ethanol,  $\alpha$ -[2-(4-chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

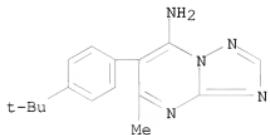
CRN 107534-96-3

CMF C16 H22 C1 N3 O



CM 2

CRN 85841-37-8  
CMF C16 H19 N5

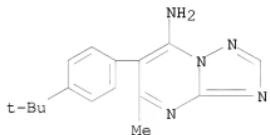


RN 922175-42-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl-, mixt. with 1-[(2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl]-1H-1,2,4-triazole (CA INDEX NAME)

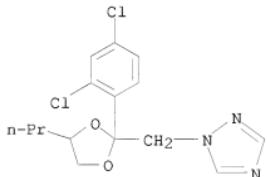
CM 1

CRN 85841-37-8  
CMF C16 H19 N5



CM 2

CRN 60207-90-1  
CMF C15 H17 Cl2 N3 O2



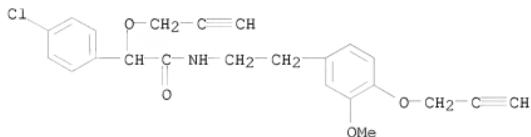
RN 922175-43-7 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-[3-methoxy-4-(2-propyn-1-yloxy)phenyl]ethyl]-a-(2-propyn-1-yloxy)-, mixt. with

6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

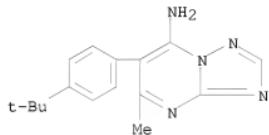
CM 1

CRN 374726-62-2  
CMF C23 H22 Cl N O4



CM 2

CRN 85841-37-8  
CMF C16 H19 N5



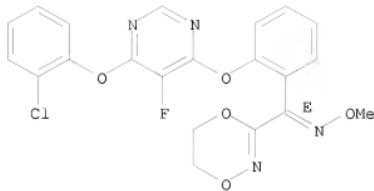
RN 922175-44-8 CAPLUS

CN Methanone, [2-[(6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl)oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)-, O-methyloxime, (1E)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

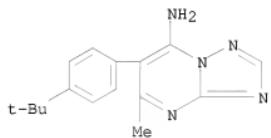
CRN 361377-29-9  
CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.



CM 2

CRN 85841-37-8  
CMF C16 H19 N5



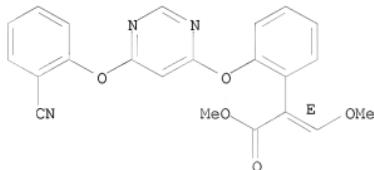
RN 922175-45-9 CAPLUS

CN Benzeneacetic acid, 2-[(6-(2-cyanophenoxy)-4-pyrimidinyl)oxy]- $\alpha$ -(methoxymethylene)-, methyl ester, ( $\alpha$ E)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

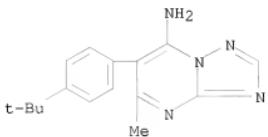
CRN 131860-33-8  
CMF C22 H17 N3 O5

Double bond geometry as shown.



CM 2

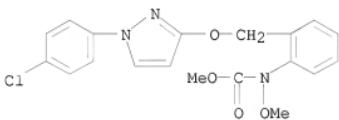
CRN 85841-37-8  
CMF C16 H19 N5



RN 922175-46-0 CAPLUS  
CN Carbamic acid, N-[2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxymethyl]phenyl]methoxy-, methyl ester, mixt. with 6-(4-(1,1-dimethylethyl)phenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

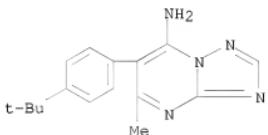
CM 1

CRN 175013-18-0  
CMF C19 H18 Cl N3 O4



CM 2

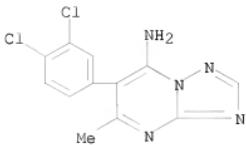
CRN 85841-37-8  
CMF C16 H19 N5



RN 922176-68-9 CAPLUS  
CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

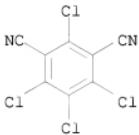
CM 1

CRN 922175-29-9  
CMF C12 H9 C12 N5



CM 2

CRN 1897-45-6  
CMF C8 C14 N2

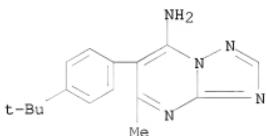


RN 922176-69-0 CAPLUS

CN Carbamic acid, N,N'-(1,2-phenylenebis(iminocarbonothioyl))bis-, C,C'-dimethyl ester, mixt, with 6-[4-(1,1-dimethylethylphenyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

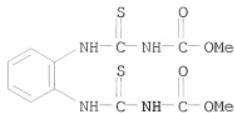
CM 1

CRN 85841-37-8  
CMF C16 H19 N5



CM 2

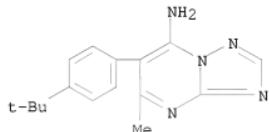
CRN 23564-05-8  
CMF C12 H14 N4 O4 S2



RN 922176-70-3 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl-, mixt. with 1-[(bis(4-fluorophenyl)methylsilyl)methyl]-1H-1,2,4-triazole (CA INDEX NAME)

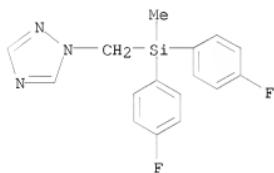
CM 1

CRN 85841-37-8  
 CMF C16 H19 N5



CM 2

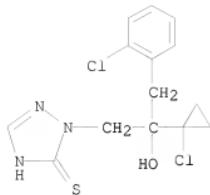
CRN 85509-19-9  
 CMF C16 H15 F2 N3 Si



RN 922176-71-4 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

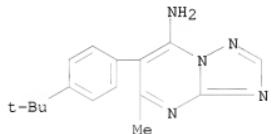
CM 1

CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



CM 2

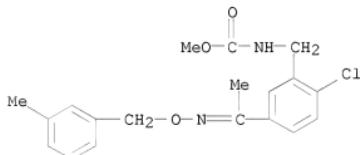
CRN 85841-37-8  
CMF C16 H19 N5



RN 922176-72-5 CAPLUS  
CN Carbamic acid, N-[(2-chloro-5-[(1-((3-methylphenyl)methoxy)imino)ethyl]phenyl)methyl]-, methyl ester, mixt. with 6-[(4-(1,1-dimethylethyl)phenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

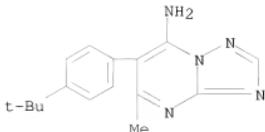
CM 1

CRN 325155-62-2  
CMF C19 H21 Cl N2 O3



CM 2

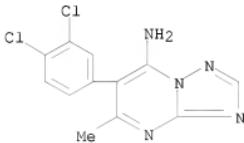
CRN 85841-37-8  
CMF C16 H19 N5



RN 922176-93-0 CAPLUS  
 CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-,  
 , mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

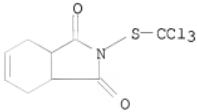
CM 1

CRN 922175-29-9  
 CMF C12 H9 C12 N5



CM 2

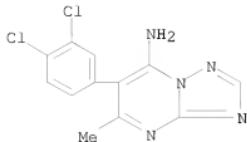
CRN 133-06-2  
 CMF C9 H8 C13 N O2 S



RN 922176-94-1 CAPLUS  
 CN 1H-1,2,4-Triazole-1-ethanol,  $\alpha$ -(4-chlorophenyl)- $\alpha$ -(1-cyclopropylethyl)-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

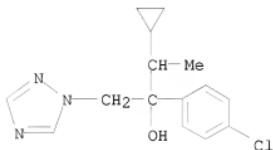
CRN 922175-29-9  
 CMF C12 H9 C12 N5



CM 2

CRN 94361-06-5

CMF C15 H18 Cl N3 O



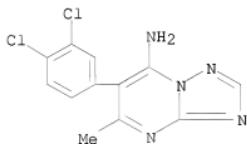
RN 922176-95-2 CAPLUS

CN 4(3H)-Quinazolinone, 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

CRN 922175-29-9

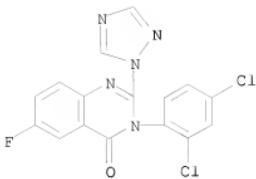
CMF C12 H9 C12 N5



CM 2

CRN 136426-54-5

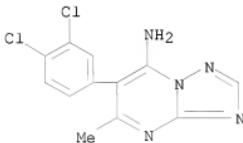
CMF C16 H8 C12 F N5 O



RN 922176-96-3 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 6-(3,4-dichlorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

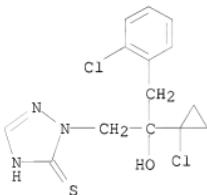
CM 1

CRN 922175-29-9  
 CMF C12 H9 C12 N5



CM 2

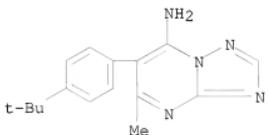
CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S



RN 922176-97-4 CAPLUS  
 CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

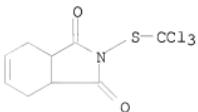
CM 1

CRN 85841-37-8  
CMF C16 H19 N5



CM 2

CRN 133-06-2  
CMF C9 H8 C13 N O2 S

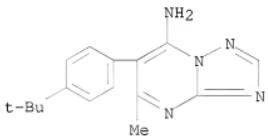


RN 922176-98-5 CAPLUS

CN Manganese, [N-[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)-  
K\$,KS']-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-  
methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (9CI) (CA INDEX NAME)

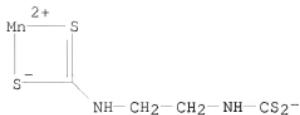
CM 1

CRN 85841-37-8  
CMF C16 H19 N5



CM 2

CRN 12427-38-2  
CMF C4 H6 Mn N2 S4  
CCI CCS



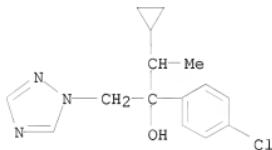
RN 922176-99-6 CAPLUS

CN 1H-1,2,4-Triazole-1-ethanol,  $\alpha$ -(4-chlorophenyl)- $\alpha$ -(1-cyclopropylethyl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

CRN 94361-06-5

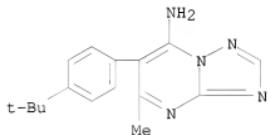
CMF C15 H18 Cl N3 O



CM 2

CRN 85841-37-8

CMF C16 H19 N5



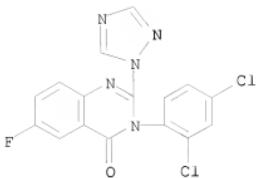
RN 922177-00-2 CAPLUS

CN 4(3H)-Quinazolinone, 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

CM 1

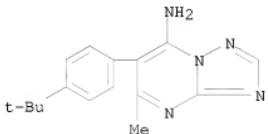
CRN 136426-54-5

CMF C16 H8 Cl2 F N5 O



CM 2

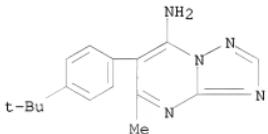
CRN 85841-37-8  
CMF C16 H19 N5



RN 922177-01-3 CAPLUS  
CN 1-Imidazolidinecarboxamide, 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-, mixt. with 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine (CA INDEX NAME)

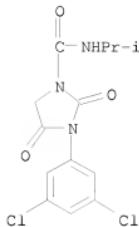
CM 1

CRN 85841-37-8  
CMF C16 H19 N5

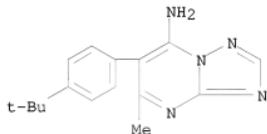


CM 2

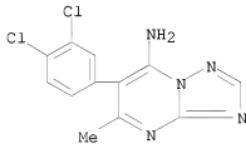
CRN 36734-19-7  
CMF C13 H13 C12 N3 O3



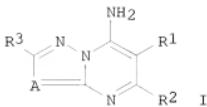
IT 85841-37-8D, mixts. containing 922175-29-9D, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (synergistic fungicides for controlling plant pathogens)  
 RN 85841-37-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-  
 methyl- (CA INDEX NAME)



RN 922175-29-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(3,4-dichlorophenyl)-5-methyl-  
 (CA INDEX NAME)



GI



AB Fungicidal mixts. comprise azolopyrimidinylamines (I, R1 = (un)substituted (alkoxy)alkyl, alkenyl, cycloalkyl, Ph, Ph-alkyl; R2 = (un)substituted (halo)alkyl, alkenyl, alkoxyalkyl; R3 = H, halo, CN, OH, SH, (halo)alkyl, etc.; and A = CR3 or N) and  $\geq 1$  active component selected from azoles, strobilurins, carboxamides, heterocyclic compds., carbamates, guanidines, antibiotics, sulfur-containing heterocyclic compds., organophosphorus compds., organochlorine compds., inorg. active compds., growth retardants and cyflufenamid, cymoxanil, dimethirimol, ethirimol, furalaxyl, metrafenone and spiroxamine, in synergistically effective amts. Methods of controlling fungal pathogens using said mixts., production of such mixts., and compns. comprising these mixts. are claimed also. Thus, I (R1 = tert-BuPh, R2 = Me, R3 = H) + cyazofamid at 16 + 4 ppm synergistically controlled Phytophthora infestans on tomato.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2007:113573 CAPLUS

DOCUMENT NUMBER: 146:206326

TITLE: Preparation of 6-phenyl-1,2,4-triazolo[1,5-a]pyrimidin-7-ylamines as agricultural fungicides

INVENTOR(S): Dietz, Jochen; Grote, Thomas; Huenger, Udo; Lohmann, Jan Klaas; Mueller, Bernd; Renner, Jens; Ulmschneider, Sarah; Grammenos, Wassilios; Rheinheimer, Joachim

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 33pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007012603	A1	20070201	WO 2006-EP64470	20060720
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: DE 2005-102005035695A 20050727

OTHER SOURCE(S): MARPAT 146:206326

IT 922736-84-3P 922736-86-5P 922736-87-6P

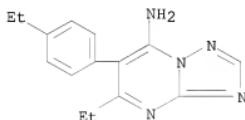
922736-88-7P 922736-89-8P 922736-90-1P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenyltriazolopyrimidinylamines as agricultural fungicides)

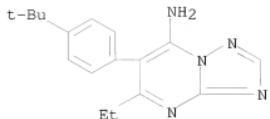
RN 922736-84-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-ethyl-6-(4-ethylphenyl)- (CA INDEX NAME)

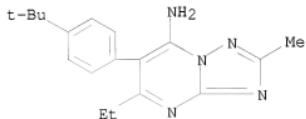


RN 922736-86-5 CAPLUS

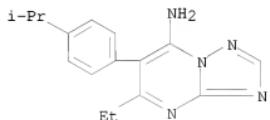
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-ethyl- (CA INDEX NAME)



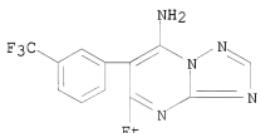
RN 922736-87-6 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-ethyl-2-methyl- (CA INDEX NAME)



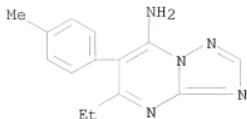
RN 922736-88-7 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-ethyl-6-[4-(1-methylethyl)phenyl]- (CA INDEX NAME)



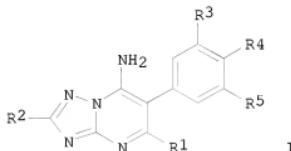
RN 922736-89-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-ethyl-6-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 922736-90-1 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-ethyl-6-(4-methylphenyl)- (CA INDEX NAME)



GI



AB Title compds. [I; R1 = Et, Pr, haloalkyl, alkenyl, alkynyl, alkoxalkyl; R2 = H, halo, cyano, NR6R7, OH, SH, (halo)alkyl, cycloalkyl, alkoxy, etc.; R6, R7 = H, alkyl; R3-R5 = H, halo, OH, SH, NO2, NR6R7, (substituted) alkyl, haloalkyl, alkenyl, etc.; or R3R4, R4R5 = (oxy)alkylene, oxyalkylenoxy, butadienyl], were prepared Thus, a suspension of 2-(4-ethylphenyl)-3-oxopentanenitrile, 3-amino-1,2,4-triazole, and p-toluenesulfonic acid in C6H3Me3 was heated for 12.5 h at 160° using a water separator to give I (R1, R4 = Et; R2, R3, R5 = H). The latter as a 250 ppm spray on tomato plants infected with Phytophthora infestans reduced infection to 10%, vs. 90% for untreated control.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2006:630914 CAPLUS

DOCUMENT NUMBER: 145:83529

TITLE: Preparation and fungicidal activity of silyl substituted novel triazolopyrimidine derivatives

INVENTOR(S): Wendeborn, Sebastian Volker; Lamberth, Clemens; Nebel, Kurt; Crowley, Patrick Jelf; Nussbaumer, Hannes

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.; Syngenta Limited  
SOURCE: PCT Int. Appl., 39 pp.

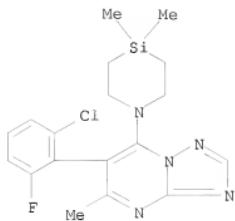
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

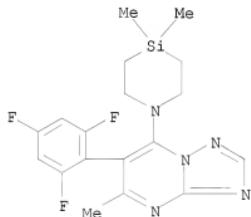
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006066872	A1	20060629	WO 2005-EP13708	20051220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, NZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1828211	A1	20070905	EP 2005-824434	20051220
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLN. INFO.:			EP 2004-30440	A 20041222
			WO 2005-EP13708	W 20051220
OTHER SOURCE(S): CASREACT 145:83529; MARPAT 145:83529				
IT 894425-70-8P 894426-68-7P				
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
RN 894425-70-8 CAPLUS				
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-7-(4,4-dimethyl-1-aza-4-silacyclohex-1-yl)-5-methyl- (CA INDEX NAME)				

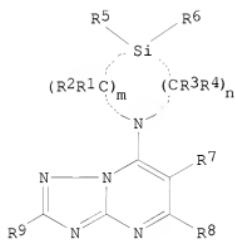


RN 894426-68-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(4,4-dimethyl-1-aza-4-silacyclohex-1-yl)-5-methyl-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



GI



I

AB The present invention relates to novel triazolopyrimidine derivs., I (R1-R4 H, halo, Cl-6 alkyl, Cl-6 haloalkyl, Cl-6 alkyloxy; m, n = 2-4;

R1R2, R3R4 = (un)substituted ring, etc.; R5, R6 = C1-6 alkyl, C1-6 haloalkyl, C3-6 cycloalkyl, C2-6 alkenyl, C2-6 alkynyl, C1-6 alkyloxy, OH, (un)substituted aryl, R5R6 = (un)substituted ring, etc.; R7 = (un)substituted aryl, heteroaryl; R8 = C1-6 alkyl, halo, cyano, etc.; R9 = H, mercapto, C1-3 alkylthio), as active ingredients which have microbiocidal activity, in particular fungicidal activity. Thus, preparation of 5-chloro-7-(4,4-dimethyl[1,4]azasilinan-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine was prepared in several steps starting from dimethylvinylsilane. The agricultural fungicidal activity of the prepared compds. are given.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2006:238710 CAPLUS

DOCUMENT NUMBER: 144:292778

TITLE: Preparation of 6-phenyl-7-aminotriazolopyrimidines as agrochemical fungicides

INVENTOR(S): Blettner, Carsten; Tormo, I. Blasco Jordi; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Hueniger, Udo; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Dietz, Jochen; Speakman, John-Bryan; Jabs, Thorsten; Strathmann, Siegfried; Schoefl, Ulrich; Scherer, Maria; Stierl, Reinhard

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 88 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006027170	A1	20060316	WO 2005-EP9456	20050902
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005281882	A1	20060316	AU 2005-281882	20050902
CA 2577041	A1	20060316	CA 2005-2577041	20050902
EP 1797095	A1	20070620	EP 2005-784802	20050902
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, HR, MK				
CN 101014604	A	20070808	CN 2005-80030105	20050902
IN 2007KN00556	A	20070706	IN 2007-KN556	20070214
US 2007270311	A1	20071122	US 2007-661566	20070228
KR 2007104516	A	20071026	KR 2007-707910	20070406
PRIORITY APPLN. INFO.:			DE 2004-102004043836A	20040908
			WO 2005-EP9456	W 20050902

OTHER SOURCE(S): MARPAT 144:292778

IT 879210-30-7P 879210-31-8P 879210-38-5P

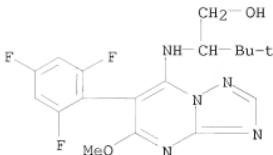
879210-44-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

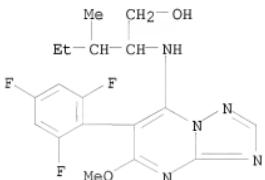
(preparation of phenylaminotriazolopyrimidines as agrochem. fungicides)

RN 879210-30-7 CAPLUS

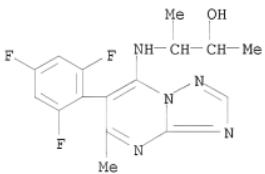
CN 1-Butanol, 2-[[5-methoxy-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl]amino]-3,3-dimethyl (CA INDEX NAME)



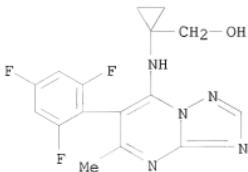
RN 879210-31-8 CAPLUS  
 CN 1-Pentanol, 2-[(5-methoxy-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl)amino]-3-methyl- (CA INDEX NAME)



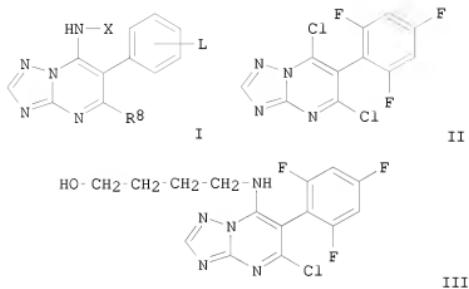
RN 879210-38-5 CAPLUS  
 CN 2-Butanol, 3-[(5-methyl-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl)amino]- (CA INDEX NAME)



RN 879210-44-3 CAPLUS  
 CN Cyclopropanemethanol, 1-[(5-methyl-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-7-yl)amino]- (CA INDEX NAME)



GI



AB Title compds. I [X = CR<sub>2</sub>R<sub>3</sub>CR<sub>4</sub>R<sub>5</sub>(CR<sub>6</sub>R<sub>7</sub>)pYZ; R<sub>1</sub> = H, alkyl, haloalkyl, etc.; R<sub>2</sub> = alkyl, haloalkyl, cycloalkyl, etc.; R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> = H, R<sub>2</sub>; L = (L')<sup>m</sup>; L' = halo, alkyl, haloalkyl, etc.; R<sub>8</sub> = halo, CN, alkyl, etc.; Y = S, O; Z = H, alkyl, haloalkyl, etc.] were prepared. For example, condensation of 2-aminobutan-1-ol and dichloropyrimidine II afforded aminotriazolopyrimide III. In alternaria solani tomato assays, compds. I at 250 ppm, exhibited 85% protection after 5-days.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2006:51000 CAPLUS

DOCUMENT NUMBER: 144:128995

TITLE: Preparation of 6-phenyl-7-aminotriazolo[1,5-a]pyrimidines as agrochemical fungicides.

INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schiweck, Frank; Schwoegler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005492	A1	20060119	WO 2005-EP7277	20050706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1765824	A1	20070328	EP 2005-762108	20050706
EP 1765824	B1	20080109		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1980935	A	20070613	CN 2005-80023045	20050706
AT 383362	T	20080115	AT 2005-762108	20050706
PRIORITY APPLN. INFO.:			DE 2004-102004033239A	20040708
			WO 2005-EP7277	W 20050706

OTHER SOURCE(S): CASREACT 144:128995; MARPAT 144:128995

IT 220482-09-7P 873690-99-4P 873691-00-0P

873691-01-1P 873691-02-2P 873691-03-3P

873691-04-4P 873691-05-5P 873691-06-6P

873691-07-7P 873691-08-8P 873691-09-9P

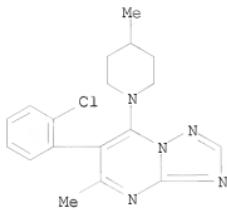
873691-10-2P 873691-11-3P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenylaminotriazolo[1,5-a]pyrimidines as agrochem. fungicides)

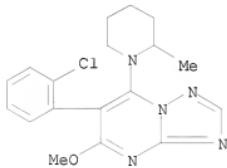
RN 220482-09-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



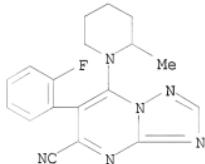
RN 873690-99-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methoxy-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



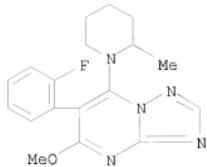
RN 873691-00-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-fluorophenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



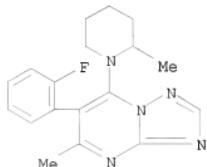
RN 873691-01-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methoxy-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



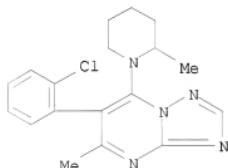
RN 873691-02-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methyl-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 873691-03-3 CAPLUS

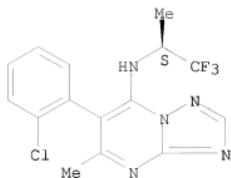
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methyl-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 873691-04-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chlorophenyl)-5-methyl-N-[(1S)-2,2-trifluoro-1-methylethyl]- (CA INDEX NAME)

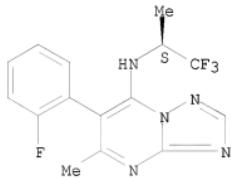
Absolute stereochemistry.



RN 873691-05-5 CAPLUS

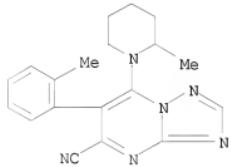
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-fluorophenyl)-5-methyl-N-[(1S)-2,2,2-trifluoroethyl]- (CA INDEX NAME)

Absolute stereochemistry.



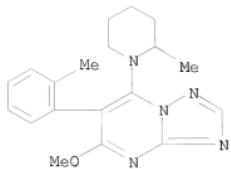
RN 873691-06-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-methylphenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



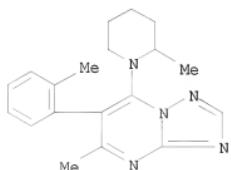
RN 873691-07-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methoxy-6-(2-methylphenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 873691-08-8 CAPLUS

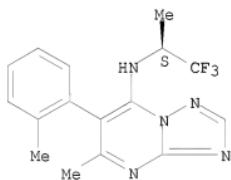
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-6-(2-methylphenyl)-7-(2-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 873691-09-9 CAPLUS

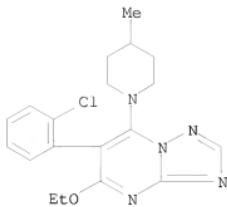
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-6-(2-methylphenyl)-N-[(1S)-2,2,2-trifluoro-1-methylethyl]- (CA INDEX NAME)

Absolute stereochemistry.

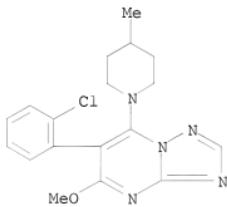


RN 873691-10-2 CAPLUS

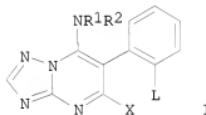
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-ethoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 873691-11-3 CAPLUS  
 CN [1,2-(4-methoxy-7-(4-methyl-1-piperidinyl)-1,2,4-triazolo[1,5-al]pyrimidine, 6-(2-chlorophenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



GI



AB Title compds. [I; R1 = (substituted) alkyl, haloalkyl, cycloalkyl, halocycloalkyl, alkenyl, haloalkenyl, cycloalkenyl, halocycloalkenyl, alkynyl, haloalkynyl, Ph, naphthyl 5-6 membered saturated, partially unsatd. or aromatic heterocycle containing 1-4 O, N, S; R2 = H, R1; R1R2N = (substituted)  
 5-6 membered heterocycl1, heteroaryl1; L = F, Cl, Me; X = cyano, alkyl, alkoxy, haloalkoxy; with provisos], were prepared Thus, 5,7-dichloro-6-(2-chlorophenyl)-1,2,4-triazolo[1,5-al]pyrimidine was stirred ca. 35 h with Et3N and 2-methylpiperidine in CH2Cl2 to give 64% 5-chloro-6-(2-chlorophenyl)-7-(2-methylpiperidin-1-yl)-1,2,4-triazolo[1,5-al]pyrimidine. This was stirred ca. 15 h with NaOMe in MeOH to give 5-methoxy-6-(2-chlorophenyl)-7-(2-methylpiperidin-1-yl)-1,2,4-triazolo[1,5-al]pyrimidine. Several I at 250 ppm on tomatoes reduced Alternaria solani infection to  $\leq 5\%$ , vs. 90% for untreated controls.

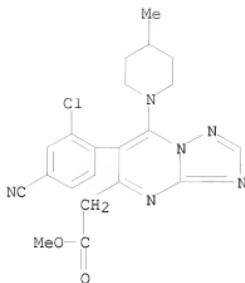
REFERENCE COUNT:

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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

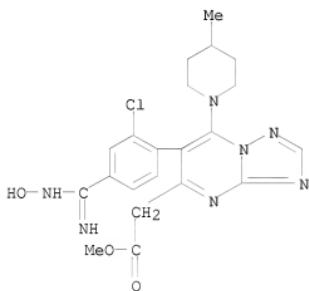
LS ANSWER 10 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1331355 CAPLUS  
 DOCUMENT NUMBER: 144:46618  
 TITLE: Preparation of triazolopyrimidine derivatives as fungicides  
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Parra Rapado, Lillian; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 81 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005120233	A1	20051222	WO 2005-EP6170	20050608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1758457	A1	20070307	EP 2005-753191	20050608
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1964629	A	20070516	CN 2005-80019087	20050608
BR 2005011888	A	20080115	BR 2005-11888	20050608
JP 20080501754	T	20080124	JP 2007-526296	20050608
US 2007249634	A1	20071025	US 2006-597409	20061122
PRIORITY APPLN. INFO.:			DE 2004-102004028084A	20040609
			WO 2005-EP6170	W 20050608
OTHER SOURCE(S): MARPAT 144:46618				
IT 871124-93-5P 871124-94-6P				
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate in preparation of triazolopyrimidine derivative fungicide)				
RN 871124-93-5 CAPLUS				
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-acetic acid, 6-(2-chloro-4-cyanophenyl)-7-(4-methyl-1-piperidinyl)-, methyl ester (CA INDEX NAME)				



RN 871124-94-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-acetic acid, 6-[2-chloro-4-[(hydroxyamino)iminomethyl]phenyl]-7-(4-methyl-1-piperidinyl)-, methyl ester (CA INDEX NAME)



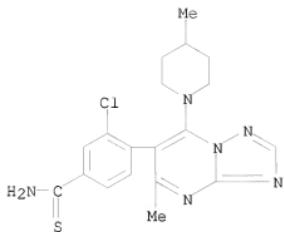
IT 871124-89-9P 871124-90-2P 871124-91-3P

871124-92-4P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as fungicide)

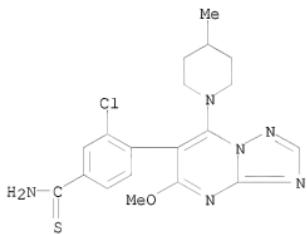
RN 871124-89-9 CAPLUS

CN Benzenecarbothioamide, 3-chloro-4-[5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]- (CA INDEX NAME)



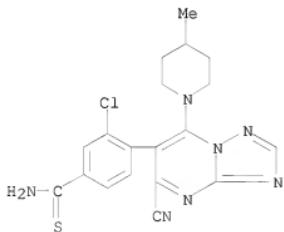
RN 871124-90-2 CAPLUS

CN Benzenecarbothioamide, 3-chloro-4-[5-methoxy-7-(4-methyl-1-piperidinyl)-1,2,4-triazolo[1,5-a]pyrimidin-6-yl]- (CA INDEX NAME)



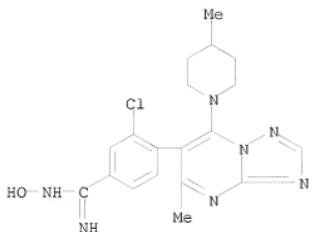
RN 871124-91-3 CAPLUS

CN Benzenecarbothioamide, 3-chloro-4-[5-cyano-7-(4-methyl-1-piperidinyl)-1,2,4-triazolo[1,5-a]pyrimidin-6-yl]- (CA INDEX NAME)

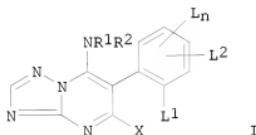


RN 871124-92-4 CAPLUS

CN Benzenecarboximidamide, 3-chloro-N-hydroxy-4-[5-methyl-7-(4-methyl-1-piperidinyl)-1,2,4-triazolo[1,5-a]pyrimidin-6-yl]- (CA INDEX NAME)



GI



**AB** The invention relates to the preparation and fungicidal use of triazolopyrimidines I, wherein R1, R2 represent hydrogen, alkyl, alkyl halide, cycloalkyl, cycloalkyl halide, alkenyl, alkadienyl, alkenyl halide, cycloalkenyl, cycloalkenyl halide, alkynyl, alkynyl halide, cycloalkynyl, Ph, naphthyl, or a five-membered or ten-membered saturated, partially unsatd., or aromatic heterocycle containing one, two, three, or four heteroatoms from the group comprising O, N, or S. R1, R2 can be substituted, or R1 and R2 form five-membered to eight-membered heterocyclyl or heteroaryl along with the nitrogen atom to which the same are bound, the heterocyclyl or heteroaryl being bound via N. Furthermore, R1, R2 contain one, two, or three addnl. heteroatoms from the group comprising O, N, and S as a ring member. L represents halogen, alkyl, alkyl halide, alkoxy, alkoxy halide, alkenyloxy, cyano, etc.; L1 represents halogen, alkyl, alkyl halide; L2 represents nitro, C(S)NR3R4 etc.; R3 and R4 represents hydrogen, alkyl, cycloalkyl, etc.; n represents 0, 1, 2, or 3. X represents hydrogen, cyano, alkyl, etc.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 11 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1242496 CAPLUS  
 DOCUMENT NUMBER: 143:473906  
 TITLE: Synergistic fungicidal mixtures comprising  
 triazolopyrimidines  
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos,  
 Wassilios; Grote, Thomas; Huenger, Udo; Mueller,  
 Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim;  
 Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja;  
 Wagner, Oliver; Nave, Barbara; Scherer, Maria;  
 Strathmann, Siegfried; Schoefl, Ulrich; Stierl,  
 Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 68 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

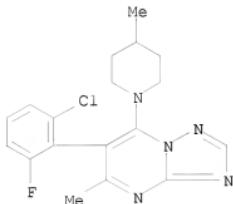
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110080	A2	20051124	WO 2005-EP5070	20050511
WO 2005110080	A3	20060209		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JE, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TJ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1746892	A2	20070131	EP 2005-744652	20050511
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1953662	A	20070425	CN 2005-80015355	20050511
BR 2005009783	A	20071023	BR 2005-9783	20050511
JP 2007537193	T	20071220	JP 2007-512075	20050511
PRIORITY APPLN. INFO.:			DE 2004-102004024193A	20040513
			DE 2004-102004024797A	20040517
			WO 2005-EP5070	W 20050511

OTHER SOURCE(S): MARPAT 143:473906  
 IT 869497-28-9 869497-29-0 869497-31-4  
 869497-32-5 869497-35-8 869497-37-0  
 869497-38-1 869497-39-2 869497-40-5  
 869497-41-6 869497-42-7 869497-43-8  
 869497-44-9 869497-45-0 869497-46-1  
 869497-47-2 869497-48-3 869497-49-4  
 869497-50-7  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)  
 RN 869497-28-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-  
 (4-methyl-1-piperidinyl)-, mixt. with 4-[3-(4-chlorophenyl)-3-(3,4-  
 dimethoxyphenyl)-1-oxo-2-propenyl]morpholine (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

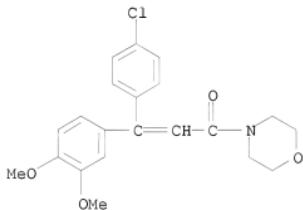
CMF C18 H19 Cl F N5



CM 2

CRN 110488-70-5

CMF C21 H22 Cl N O4



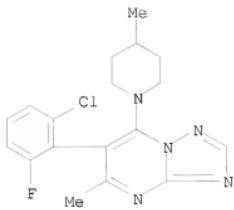
RN 869497-29-0 CAPLUS

CN Carbamic acid, [1-[(4-methoxyphenyl)methyl]carbonyl]-1H-benzimidazol-2-yl]-, methyl ester, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-1,2,4-triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

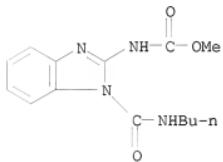
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CMF C18 H19 Cl F N5



CM 2

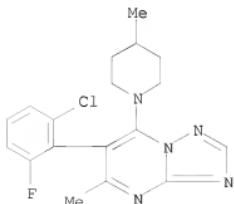
CRN 17804-35-2  
CMF C14 H18 N4 O3



RN 869497-31-4 CAPLUS  
CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt.  
with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

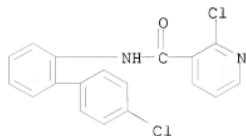
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CRN 220482-07-5  
CMF C18 H19 Cl F N5



CM 2

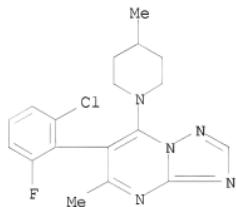
CRN 188425-85-6  
CMF C18 H12 C12 N2 O



RN 869497-32-5 CAPLUS  
CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-,  
mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-  
piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

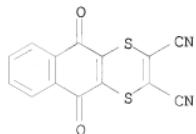
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CMF C18 H19 Cl F N5



CM 2

CRN 3347-22-6  
CMF C14 H4 N2 O2 S2

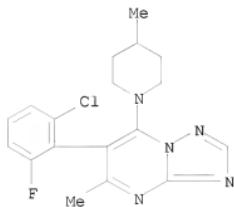


RN 869497-35-8 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-  
, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-  
piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

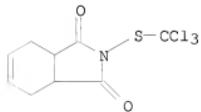
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CRN 220482-07-5  
CMF C18 H19 Cl F N5



CM 2

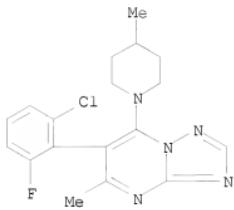
CRN 133-06-2  
CMF C9 H8 Cl3 N O2 S



RN 869497-37-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-  
(4-methyl-1-piperidinyl)-, mixt. with rel-1-[(2R,3S)-3-(2-chlorophenyl)-2-  
(4-fluorophenyl)oxiranyl]methyl-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CM 1

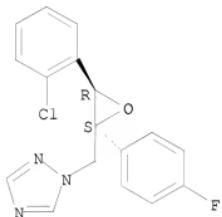
CRN 220482-07-5  
CMF C18 H19 Cl F N5



CM 2

CRN 133855-98-8  
 CMF C17 H13 Cl F N3 O

Relative stereochemistry.

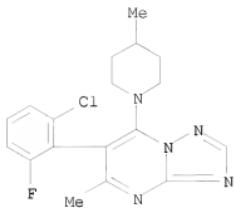


RN 869497-38-1 CAPLUS

CN 1H-1,2,4-Triazole-1-ethanol,  $\alpha$ -(2-fluorophenyl)- $\alpha$ -(4-fluorophenyl)-, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

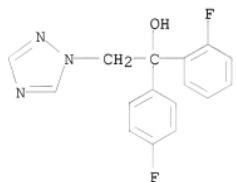
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CRN 220482-07-5  
 CMF C18 H19 Cl F N5



CM 2

CRN 76674-21-0  
CMF C16 H13 F2 N3 O

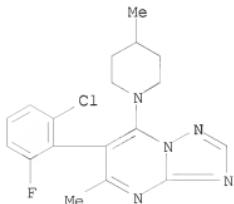


RN 869497-39-2 CAPLUS

CN Cyclopentanol, 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)-, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

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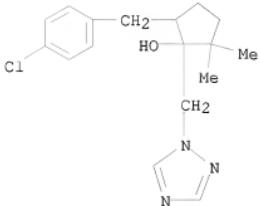
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CM 2

CRN 125116-23-6

CMF C17 H22 Cl N3 O



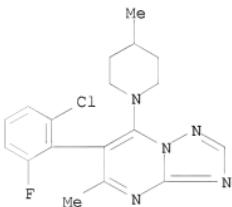
RN 869497-40-5 CAPLUS

CRN 1-imidazolidinecarboxamide, 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

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CRN 220482-07-5

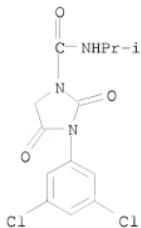
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CM 2

CRN 36734-19-7

CMF C13 H13 Cl2 N3 O3



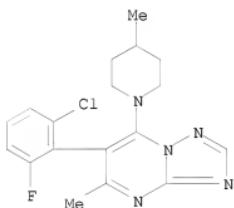
RN 869497-41-6 CAPLUS

CN Manganese, {[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)--κS,κS']-, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine and {[2-[(dithiocarboxy)amino]ethyl]carbamodithioato(2-)--κS,κS']zinc (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

CMF C18 H19 Cl F N5

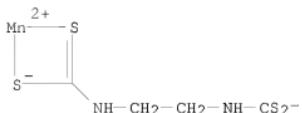


CM 2

CRN 12427-38-2

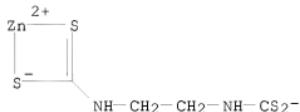
CMF C4 H6 Mn N2 S4

CCI CCS



CM 3

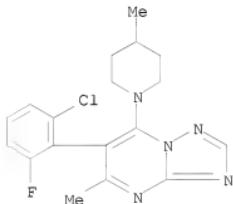
CRN 12122-67-7  
CMF C4 H6 N2 S4 Zn  
CCI CCS



RN 869497-42-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-, mixt. with metiram (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5  
CMF C18 H19 Cl F N5



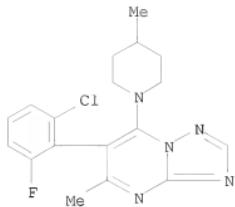
CM 2

CRN 9006-42-2  
CMF Unspecified  
CCI PMS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
RN 869497-43-8 CAPLUS  
CN Carbanic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

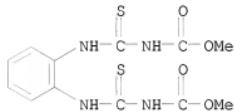
CM 1

CRN 220482-07-5  
CMF C18 H19 Cl F N5



CM 2

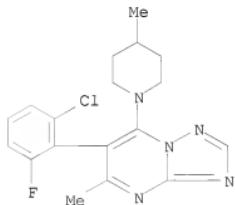
CRN 23564-05-8  
 CMF C12 H14 N4 O4 S2



RN 869497-44-9 CAPLUS  
 CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, mixt. with  
 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-  
 piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

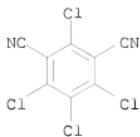
CM 1

CRN 220482-07-5  
 CMF C18 H19 Cl F N5

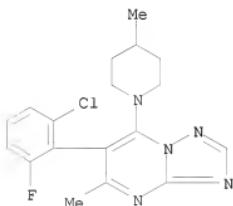


CM 2

CRN 1897-45-6  
 CMF C8 C14 N2

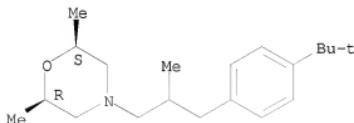


RN 869497-45-0 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-, mixt. with *rel*-(2R,6S)-4-[3-{4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 220482-07-5  
 CMF C18 H19 Cl F N5



CM 2  
 CRN 67564-91-4  
 CMF C20 H33 N O

Relative stereochemistry.



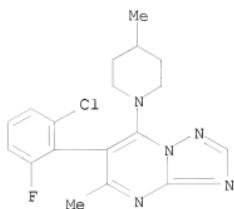
RN 869497-46-1 CAPLUS  
 CN Carbanic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-

piperidinyl){1,2,4}triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

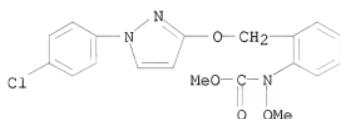
CMF C18 H19 Cl F N5



CM 2

CRN 175013-18-0

CMF C19 H18 Cl N3 O4



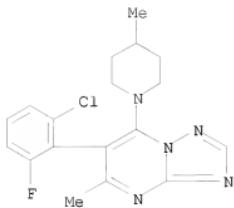
RN 869497-47-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)-, mixt. with sulfur (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

CMF C18 H19 Cl F N5



CM 2

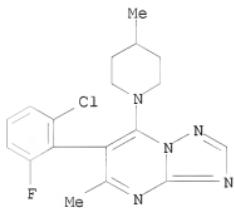
CRN 7704-34-9  
CMF S

S

RN 869497-48-3 CAPLUS  
CN 1,3-Benzenedicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt.  
with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

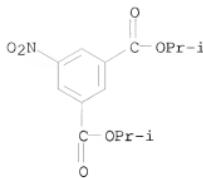
CM 1

CRN 220482-07-5  
CMF C18 H19 Cl F N5



CM 2

CRN 10552-74-6  
CMF C14 H17 N O6



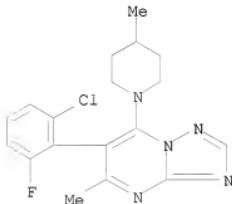
RN 869497-49-4 CAPLUS

CN Phosphonic acid, monoethyl ester, aluminum salt, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

CM 1

CRN 220482-07-5

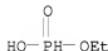
CMF C18 H19 Cl F N5



CM 2

CRN 39148-24-8

CMF C2 H7 O3 P . 1/3 Al



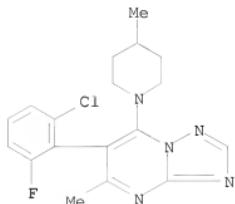
●1/3 Al

RN 869497-50-7 CAPLUS

CN 1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-, mixt. with 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)

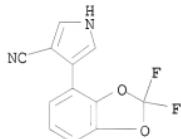
CM 1

CRN 220482-07-5  
CMF C18 H19 Cl F N5

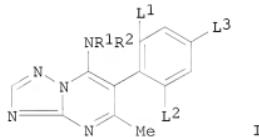


CM 2

CRN 131341-86-1  
CMF C12 H6 F2 N2 O2



GI

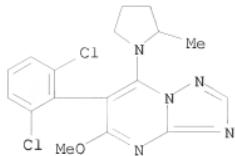


AB The invention relates to synergistic fungicidal mixts. containing a 5-methyl-7-aminotriazolo[4,3-d]pyrimidine derivative I, wherein R1 is alkyl, halogenalkyl, alkenyl or cyclopentyl, R2 is hydrogen or alkyl, R1 and R2 together with the nitrogen atom to which they are bound may form a piperidinyl cycle substitutable by a Me group, L1 is fluorine or chlorine, L2, L3 are independently from each other hydrogen, fluorine or chlorine, and at least one active substance selected from azoles, strobilurins, acylalanines, amine derivs., anilinopyrimidines, dicarboximides, cinnamic

acid amides and analogs thereof, antibiotics, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., other fungicides and growth retardants.

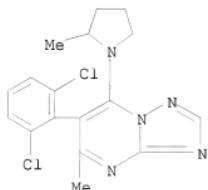
LS ANSWER 12 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1103782 CAPLUS  
 DOCUMENT NUMBER: 143:387055  
 TITLE: Preparation of 6-(2,6-dichlorophenyl)triazolopyrimidines as agrochemical fungicides  
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.  
 SOURCE: PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095405	A2	20051013	WO 2005-EP4187	20050329
WO 2005095405	A3	20051222		
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1735316	A2	20061227	EP 2005-736871	20050329
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CN 1938312	A	20070328	CN 2005-80010599	20050329
BR 2005008728	A	20070814	BR 2005-8728	20050329
JP 2007530634	T	20071101	JP 2007-505522	20050329
US 2007142404	A1	20070621	US 2006-590924	20060828
PRIORITY APPLN. INFO.:			DE 2004-102004016082A	20040330
			WO 2005-EP4187	W 20050329
OTHER SOURCE(S): MARPAT 143:387055				
IT 866789-78-8P 866789-79-9P 866789-80-2P				
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(preparation of dichlorophenyltriazolopyrimidines as agrochem. fungicides)				
RN 866789-78-8 CAPLUS				
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-dichlorophenyl)-5-methoxy-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)				



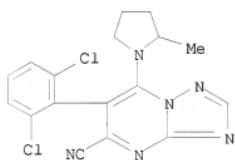
RN 866789-79-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-dichlorophenyl)-5-methyl-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)

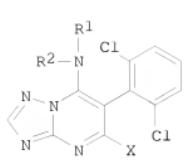


RN 866789-80-2 CAPLUS

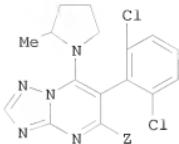
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,6-dichlorophenyl)-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



GI



I



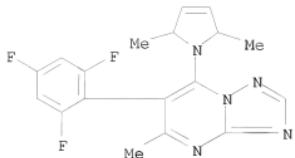
II

AB Title compds. I [R<sub>1</sub>, R<sub>2</sub> = H, alkyl, haloalkyl, etc.; X = alkyl, CN, alkoxy, etc.] were prepared. For example, condensation of tetrabutylammonium cyanide and chloropyrimidine II (Z = Cl) afforded nitrile II (Z = CN). In cucumber *sphaerotheca fuliginea* protection assays, 2-examples of compds. I at 250 ppm, exhibited 100% protection after 7-days.

LS ANSWER 13 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:1103781 CAPLUS  
 DOCUMENT NUMBER: 143:387054  
 TITLE: Preparation of 6-(2-fluorophenyl)triazolopyrimidines as agrochemical fungicides  
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Rack, Michael; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 31 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

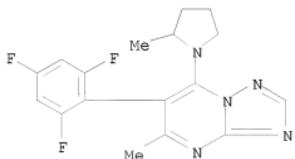
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005095404	A2	20051013	WO 2005-EP3208	20050326
WO 2005095404	A3	20060406		
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TN, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1732927	A2	20061220	EP 2005-716387	20050326
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1938313	A	20070328	CN 2005-80010852	20050326
BR 2005008717	A	20070807	BR 2005-8717	20050326
JP 2007530618	T	20071101	JP 2007-505464	20050326
US 2007208038	A1	20070906	US 2006-594738	20060929
PRIORITY APPLN. INFO.:			DE 2004-102004016082A	20040330
			WO 2005-EP3208	W 20050326

OTHER SOURCE(S): MARPAT 143:387054  
 IT 773149-31-8P 866790-78-5P 866790-79-6P  
 866790-80-9P 866790-81-0P 866790-82-1P  
 866790-83-2P 866790-84-3P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of fluorophenyltriazolopyrimidines as agrochem. fungicides)  
 RN 773149-31-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)-5-methyl-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



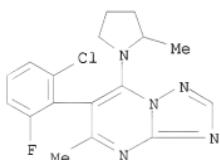
RN 866790-78-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(2-methyl-1-pyrrolidinyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



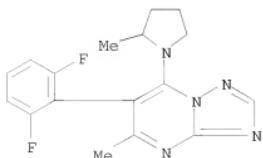
RN 866790-79-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)

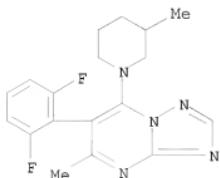


RN 866790-80-9 CAPLUS

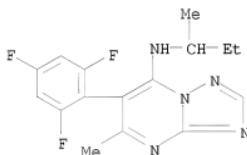
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-difluorophenyl)-5-methyl-7-(2-methyl-1-pyrrolidinyl)- (CA INDEX NAME)



RN 866790-81-0 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-difluorophenyl)-5-methyl-7-(3-methyl-1-piperidinyl)- (CA INDEX NAME)

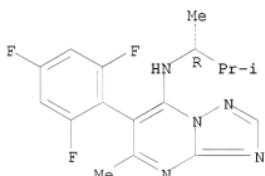


RN 866790-82-1 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-N-(1-methylpropyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

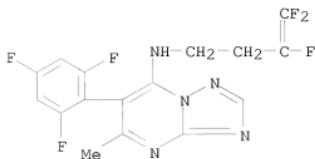


RN 866790-83-2 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-[(1R)-1,2-dimethylpropyl]-5-methyl-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 866790-84-3 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-N-(3,4,4-trifluoro-3-butenyl)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

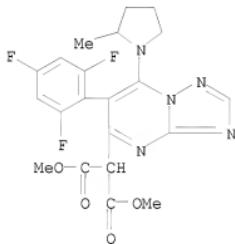


IT 866790-86-5P

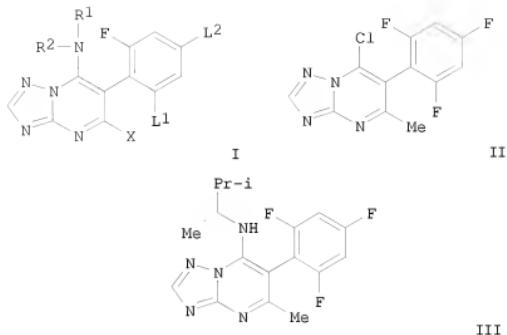
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of fluorophenyltriazolopyrimidines as agrochem. fungicides)

RN 866790-86-5 CAPLUS

CN Propanedioic acid, [7-(2-methyl-1-pyrrolidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]-, dimethyl ester (9CI) (CA INDEX NAME)



GI

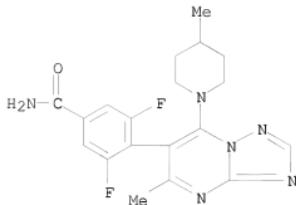


AB Title compds. I [R1 = alkyl, haloalkyl, (un)substituted cycloalkyl, etc.; R2 = H, alkyl with provisos; L1 = Cl, F; L = H when L1 = F, F; X = alkyl] were prepared. For example, condensation of chloropyrimidine II and (2R)-3-methyl-2-butanamine afforded triazolopyrimidine III. In cucumber sphaerotheca fuliginea protection assays, 3-examples of compds. I at 250 ppm, exhibited 100% protection after 7-days.

LS ANSWER 14 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:588970 CAPLUS  
 DOCUMENT NUMBER: 143:115562  
 TITLE: Preparation of 6-(aminocarbonylphenyl)triazolopyrimidines as fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 65 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061502	A1	20050707	WO 2004-EP14393	20041217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TW, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004303493	A1	20050707	AU 2004-303493	20041217
CA 2549184	A1	20050707	CA 2004-2549184	20041217
EP 1697368	A1	20060906	EP 2004-804000	20041217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1894255	A	20070110	CN 2004-80037816	20041217
BR 2004017765	A	20070417	BR 2004-17765	20041217
JP 2007514693	T	20070607	JP 2006-544354	20041217
MX 2006PA05665	A	20060817	MX 2006-PA5665	20060519
US 2007111889	A1	20070517	US 2006-580990	20060526
IN 2006CN02633	A	20070608	IN 2006-CN2633	20060719
PRIORITY APPLN. INFO.:			DE 2003-10360392 A	20031219
			DE 2004-102004003767A	20040123
			DE 2004-102004019456A	20040419
			WO 2004-EP14393 W	20041217

OTHER SOURCE(S): MARPAT 143:115562  
 IT 857505-19-2P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of aminocarbonylphenyltriazolopyrimidines as fungicides)  
 RN 857505-19-2 CAPLUS  
 CN Benzamide, 3,5-difluoro-4-[5-methyl-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-6-yl]- (CA INDEX NAME)



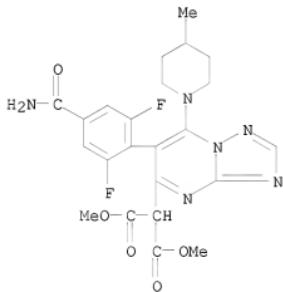
IT 857505-42-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

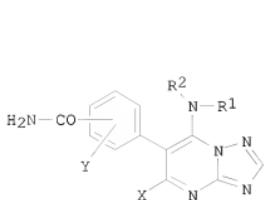
(preparation of aminocarbonylphenyltriazolopyrimidines as fungicides)

RN 857505-42-1 CAPLUS

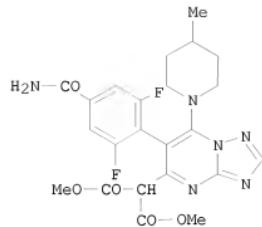
CN Propanedioic acid, [6-[4-(aminocarbonyl)-2,6-difluorophenyl]-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]-, dimethyl ester (9CI)  
(CA INDEX NAME)



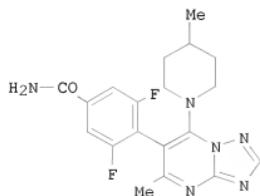
GI



1



II



III

AB Title compds. I [ $Y = Lm$ ;  $L =$  halo, CN, alkyl, etc.;  $m = 1-4$ ;  $R1, R2 = H$ , alkyl, haloalkyl, etc.;  $X =$  halo, CN, alkyl, etc.] were prepared. For example, saponification and decarboxylation of dimethylmalonate II afforded triazolopyrimidine III. In *botrytis cinerea* protection assays, 5-examples of compds. I, at 63 ppm application, after 5-days exhibited 75% protection.

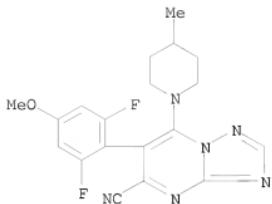
REFERENCE COUNT:

8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

LS ANSWER 15 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:570899 CAPLUS  
 DOCUMENT NUMBER: 143:97392  
 TITLE: Preparation of 6-(2-fluoro-4-alkoxyphenyl)-triazolopyrimidines as fungicides  
 INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 54 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

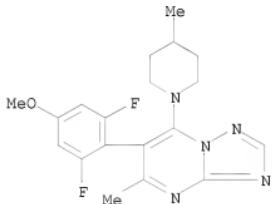
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058905	A1	20050630	WO 2004-EP14228	20041214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697365	A1	20060906	EP 2004-803851	20041214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1898242	A	20070117	CN 2004-80038100	20041214
BR 2004017651	A	20070403	BR 2004-17651	20041214
JP 2007514683	T	20070607	JP 2006-544312	20041214
PRIORITY APPLN. INFO.:			DE 2003-10359435	A 20031217
			WO 2004-EP14228	W 20041214

OTHER SOURCE(S): MARPAT 143:97392  
 IT 856452-98-7P 856453-01-5P 856453-03-7P  
 856453-04-8P 856453-05-9P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of alkoxyphenyltriazolopyrimidines as fungicides)  
 RN 856452-98-7 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,6-difluoro-4-methoxyphenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



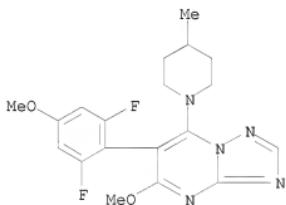
RN 856453-01-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-difluoro-4-methoxyphenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



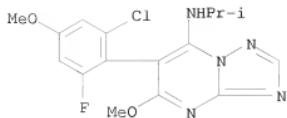
RN 856453-03-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-difluoro-4-methoxyphenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)

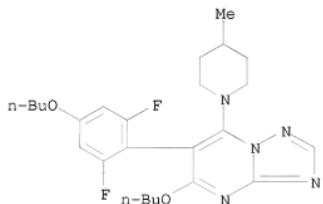


RN 856453-04-8 CAPLUS

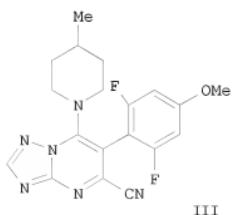
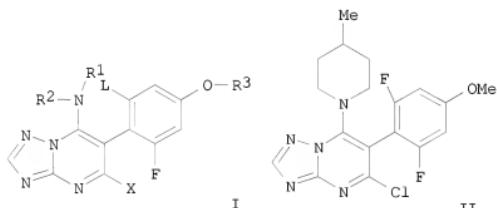
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluoro-4-methoxyphenyl)-5-methoxy-N-(1-methylethyl)- (CA INDEX NAME)



RN 856453-99 CAPLUS  
CN [1,2-b]Triazolo[1,5-a]pyrimidine, 5-butoxy-6-(4-butoxy-2,6-difluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



GI



AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; R3 = alkyl, haloalkyl, alkenyl, etc.; L = H, F, Cl; X = CN, alkyl, alkoxy, etc.] were prepared. For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In *botrytis cinerea* protection assays, 3-examples of compds. I, at 250 ppm application, after 5-days exhibited 80% protection.

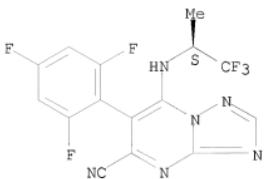
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 16 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:570897 CAPLUS  
 DOCUMENT NUMBER: 143:97391  
 TITLE: Preparation of 6-(2,4,6-trifluorophenyl)triazolopyrimidines for combating pathogenic fungi  
 INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 34 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058900	A1	20050630	WO 2004-EP13063	20041118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1689750	A1	20060816	EP 2004-797968	20041118
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1886404	A	20061227	CN 2004-80034578	20041118
BR 2004016849	A	20070227	BR 2004-16849	20041118
JP 2007512276	T	20070517	JP 2006-540311	20041118
US 2007149515	A1	20070628	US 2006-579144	20060515
PRIORITY APPLN. INFO.:			DE 2003-10355387	A 20031125
			WO 2004-EP13063	W 20041118

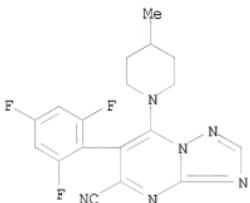
OTHER SOURCE(S): MARPAT 143:97391  
 IT 856543-22-1P 856543-30-1P 856543-37-8P  
 856543-45-8P 856543-52-7P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of trifluorophenyltriazolopyrimidines for combating pathogenic fungi)  
 RN 856543-22-1 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-[(1S)-2,2,2-trifluoro-1-methylethyl]aminol-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 856543-30-1 CAPLUS

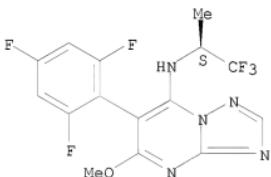
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



RN 856543-37-8 CAPLUS

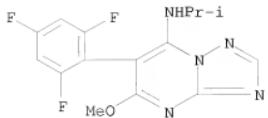
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methoxy-N-[(1S)-2,2,2-trifluoro-1-methylethyl]-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

Absolute stereochemistry.



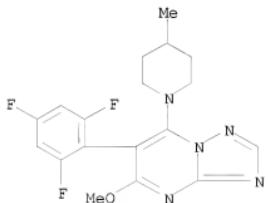
RN 856543-45-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methoxy-N-(1-methylethyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

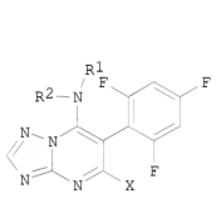


RN 856543-52-7 CAPLUS

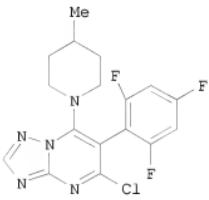
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methoxy-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



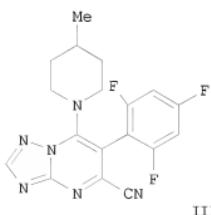
GI



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III

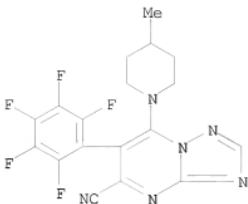
AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkoxy, alkenyloxy, etc.] were prepared. For example, tetrabutylammonium cyanide mediated nitration of chloropyrimidine II afforded triazolopyrimidine III. In *sphaerotilis* *fuliginea* protection assays, 4-examples of compds. I, at 63 ppm application, after 7-days exhibited 100% protection.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 17 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:564671 CAPLUS  
 DOCUMENT NUMBER: 143:97386  
 TITLE: Preparation of 6-pentafluorophenyltriazolopyrimidines  
 for combating pathogenic fungi  
 INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller,  
 Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote,  
 Thomas; Rheinheimer, Joachim; Schaefer, Peter;  
 Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver;  
 Scherer, Maria; Strathmann, Siegfried; Schoefl,  
 Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 40 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

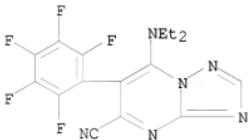
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058904	A1	20050630	WO 2004-EP14210	20041214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697364	A1	20060906	EP 2004-803836	20041214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1894253	A	20070110	CN 2004-80037807	20041214
BR 2004017639	A	20070327	BR 2004-17639	20041214
JP 2007514682	T	20070607	JP 2006-544309	20041214
US 2007105928	A1	20070510	US 2006-582938	20060615
IN 2006CN02576	A	20070608	IN 2006-CN2576	20060714
PRIORITY APPLN. INFO.:			DE 2003-10359452	A 20031217
			DE 2003-10359445	A 20031217
			WO 2004-EP14210	W 20041214

OTHER SOURCE(S): MARPAT 143:97386  
 IT 856285-64-8P 856285-65-9P 856285-66-0P  
 856285-67-1P 856285-68-2P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)  
     (preparation of pentafluorophenyltriazolopyrimidines for combating  
     pathogenic fungi)  
 RN 856285-64-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-  
     piperidinyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)



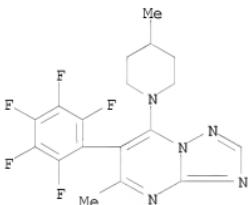
RN 856285-65-9 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(diethylamino)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)



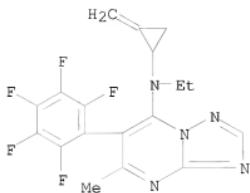
RN 856285-66-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(4-methyl-1-piperidinyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)



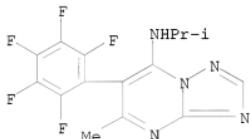
RN 856285-67-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-ethyl-5-methyl-N-(methylenecyclopropyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)

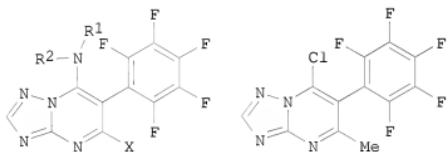


RN 856285-68-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methyl-N-(1-methylethyl)-6-(pentafluorophenyl)- (9CI) (CA INDEX NAME)

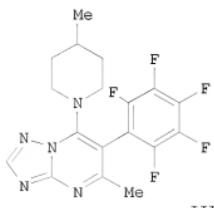


GI



I

II



III

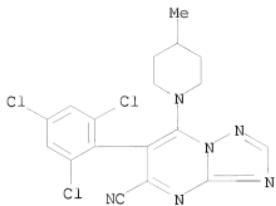
AB Title compds. I [R1 = alkyl, cycloalkyl, alkenyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkyl, alkoxy, etc.] were prepared. For example, aminoarom. substitution of dichloropyrimidine II and 4-methylpiperidine afforded triazolopyrimidine III. In *botrytis cinerea* protection assays, 3-examples of compds. I, at 63 ppm application, after 5-days exhibited 90% protection rate.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 18 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:564670 CAPLUS  
 DOCUMENT NUMBER: 143:97385  
 TITLE: Preparation of 6-(2,4,6-trihalophenyl)triazolopyrimidines for combating pathogenic fungi  
 INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 41 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

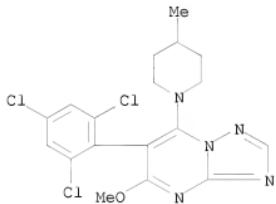
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058903	A1	20050630	WO 2004-EP14208	20041214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1697373	A1	20060906	EP 2004-820434	20041214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1890243	A	20070103	CN 2004-80036269	20041214
BR 2004017628	A	20070327	BR 2004-17628	20041214
JP 2007514680	T	20070607	JP 2006-544307	20041214
US 2007135453	A1	20070614	US 2006-579395	20060515
PRIORITY APPLN. INFO.:			DE 2003-10359439	A 20031217
			WO 2004-EP14208	W 20041214

OTHER SOURCE(S): MARPAT 143:97385  
 IT 856285-73-9P 856285-74-0P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of trihalophenyltriazolopyrimidines for combating pathogenic fungi)  
 RN 856285-73-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(4-methyl-1-piperidinyl)-6-(2,4,6-trichlorophenyl)- (CA INDEX NAME)

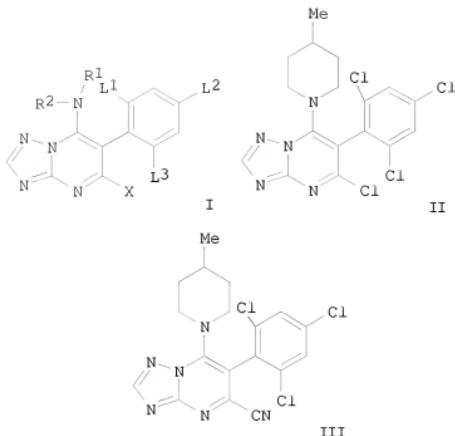


RN 856285-74-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methoxy-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trichlorophenyl)- (CA INDEX NAME)



GI



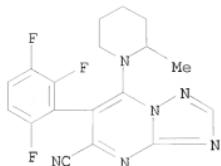
AB Title compds. I [R1 = alkyl, cycloalkyl, alkenyl, etc.; R2 = H, or together with R1 with provisos; L1, L2, L3 = Cl, F; X = CN, alkyl, alkoxy, etc.] were prepared. For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In *botrytis cinerea* protection assay, 1-example compound I, at 250 ppm application, after 5-days exhibited 100% protection.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 19 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:564669 CAPLUS  
 DOCUMENT NUMBER: 143:97384  
 TITLE: Preparation of 6-(2,3,6-trifluorophenyl)triazolopyrimidines for combating pathogenic fungi  
 INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Wagner, Oliver; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 39 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

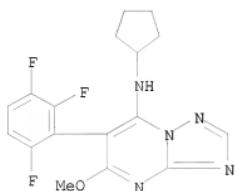
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058902	A1	20050630	WO 2004-EP14206	20041214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CN 1894254	A	20070110	CN 2004-80037809	20041214
EP 1751160	A1	20070214	EP 2004-803834	20041214
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
BR 2004017637	A	20070327	BR 2004-17637	20041214
JP 2007514678	T	20070607	JP 2006-544305	20041214
US 2007149588	A1	20070628	US 2006-582984	20060615
PRIORITY APPLN. INFO.:			DE 2003-10359442	A 20031217
			WO 2004-EP14206	W 20041214

OTHER SOURCE(S): MARPAT 143:97384  
 IT 856558-77-5P 856558-78-6P 856558-79-7P  
 856558-80-0P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of trifluorophenyltriazolopyrimidines for combating pathogenic fungi)  
 RN 856558-77-5 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(2-methyl-1-piperidinyl)-6-(2,3,6-trifluorophenyl)- (CA INDEX NAME)



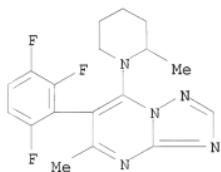
RN 856558-78-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-5-methoxy-6-(2,3,6-trifluorophenyl)- (CA INDEX NAME)



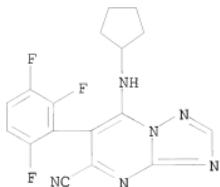
RN 856558-79-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(2-methyl-1-piperidinyl)-6-(2,3,6-trifluorophenyl)- (CA INDEX NAME)

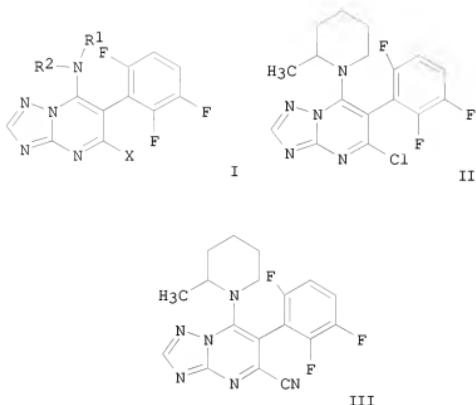


RN 856558-80-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(cyclopentylamino)-6-(2,3,6-trifluorophenyl)- (CA INDEX NAME)



GI



AB Title compds. I [R1 = alkyl, haloalkyl, cycloalkyl, etc.; R2 = H, or together with R1 with provisos; X = CN, alkyl, alkoxy, etc.] were prepared For example, tetrabutylammonium cyanide mediated nitrilation of chloropyrimidine II afforded triazolopyrimidine III. In botrytis cinerea protection assays, 4-examples of compds. I, at 250 ppm application, after 5-days exhibited 90% protection.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

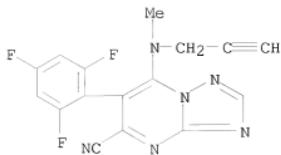
LS ANSWER 20 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2004:857602 CAPLUS  
DOCUMENT NUMBER: 141:332222  
TITLE: Methods for the production and use of  
7-(alkynylamino)triazolopyrimidines and agents  
containing them useful for combating harmful fungi  
Tormo I Blasco, Jordi; Bleitner, Carsten; Mueller,  
Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote,  
Thomas; Gypser, Andreas; Rheinheimer, Joachim;  
Schaefer, Peter; Schiweck, Frank; Schwoegler, Anja;  
Scherer, Maria; Strathmann, Siegfried; Schoefl,  
Ulrich; Stierl, Reinhard

INVENTOR(S):  
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 36 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

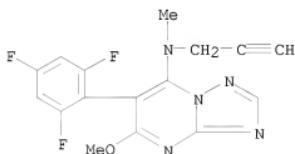
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087706	A1	20041014	WO 2004-EP3346	20040330
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
AU 2004226253	A1	20041014	AU 2004-226253	20040330
CA 2520718	A1	20041014	CA 2004-2520718	20040330
EP 1613633	A1	20060111	EP 2004-724256	20040330
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004008864	A	20060411	BR 2004-8864	20040330
CN 1768062	A	20060503	CN 2004-80009242	20040330
JP 2006522046	T	20060928	JP 2006-504913	20040330
US 2006211711	A1	20060921	US 2005-550571	20050923
IN 2005CN02849	A	20070720	IN 2005-CN2849	20051102
PRIORITY APPLN. INFO.:			DE 2003-10314930	A 20030402
			WO 2004-EP3346	W 20040330

OTHER SOURCE(S): CASREACT 141:332222; MARPAT 141:332222  
IT 773879-70-2P 773879-71-3P 773879-72-4P  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(preparation of (alkynylamino)triazolopyrimidines for use in combating  
harmful phytopathogenic fungi)  
RN 773879-70-2 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(methyl-2-  
propynylamino)-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



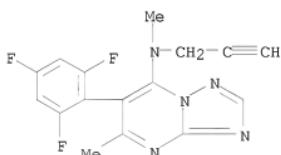
RN 773879-71-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-methoxy-N-methyl-N-2-propynyl-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)

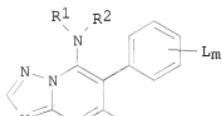


RN 773879-72-4 CAPLUS

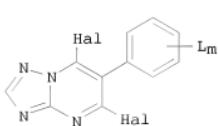
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N,5-dimethyl-N-2-propynyl-6-(2,4,6-trifluorophenyl)- (9CI) (CA INDEX NAME)



GI



I



II

AB 7-(Alkynylamino)triazolopyrimidines I [L = halogen, Cl-6-alkyl, Cl-6-halogenalkyl, Cl-6-alkoxy, NH<sub>2</sub>, NHR, NR<sub>2</sub>, cyano, S(O)nAl or C(O)A<sub>2</sub>; R = Cl-8-alkyl, Cl-8-alkylcarbonyl; Al = hydrogen, hydroxy, Cl-8-alkyl, Cl-8-alkylamino, di(Cl-8-alkyl)amino; n = 0, 1 or 2; A<sub>2</sub> = C2-8-alkenyl, Cl-8-alkoxy, Cl-6-halogenalkoxy or Al; m = 1, 2, 3, 4 or 5 (whereby at least one group L is present in an ortho-position to the bond with the triazolopyrimidine skeleton); X = halogen, cyano, Cl-4-alkyl, Cl-4-haloalkyl, Cl-4-alkoxy; R<sub>1</sub> = hydrogen, Cl-4-alkyl; R<sub>2</sub> = (un)substituted C3-10-alkynyl]. The invention also relates to methods for the production of said compds., agents containing said compds. and the use thereof

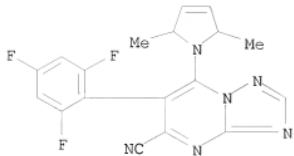
to combat harmful phytopathogenic fungi. The procedure for the preparation of I is characterized by: reaction of halotriazolopyrimidines II (Hal = halogen) with R<sub>1</sub>R<sub>2</sub>NH. Thus, triazolopyrimidine I [R<sub>1</sub> = H, R<sub>2</sub> = CH<sub>2</sub>C.tplbond.CH, X = Cl, L<sub>3</sub> = F3-2,4,6] was prepared from 5,7-Dichloro-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (II; ) via amination with HC.tplbond.CCH<sub>2</sub>NH<sub>2</sub> in CH<sub>2</sub>Cl<sub>2</sub> containing Et<sub>3</sub>N. The inhibitory activity of I were determined [after 5 d I (R<sub>1</sub> = H, R<sub>2</sub> = CH<sub>2</sub>C.tplbond.CH, X = Cl, L<sub>3</sub> = F3-2,4,6; R<sub>1</sub> = H, R<sub>2</sub> = CMe<sub>2</sub>C.tplbond.CH, X = Cl, L<sub>3</sub> = F3-2,4,6) had decreased the activity of *Alternaria solani* (Tomato dry spot disease) and *Puccinia recondita* (wheat brown rust) to 3%].

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 21 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:857601 CAPLUS  
 DOCUMENT NUMBER: 141:332213  
 TITLE: Preparation of alkenylaminotriazolopyrimidines as agrochemical fungicides.  
 INVENTOR(S): Tormo I Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schiewek, Frank; Schwoegler, Anja; Scherer, Maria; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 47 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

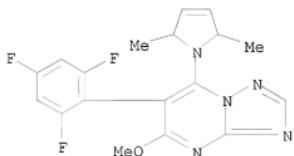
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087705	A1	20041014	WO 2004-EP3102	20040324
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004226233	A1	20041014	AU 2004-226233	20040324
CA 2520579	A1	20041014	CA 2004-2520579	20040324
EP 1611135	A1	20060104	EP 2004-722827	20040324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004008754	A	20060328	BR 2004-8754	20040324
CN 1768060	A	20060503	CN 2004-80008707	20040324
JP 2007523843	T	20070823	JP 2006-504835	20040324
US 2006211573	A1	20060921	US 2005-548690	20050912
IN 2005CN02817	A	20070727	IN 2005-CN2817	20051031
PRIORITY APPLN. INFO.:			DE 2003-10314760	A 20030331
			WO 2004-EP3102	W 20040324

OTHER SOURCE(S): MARPAT 141:332213  
 IT 773149-29-4P 773149-30-7P 773149-31-8P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of alkenylaminotriazolopyrimidines as agrochem. fungicides)  
 RN 773149-29-4 CAPLUS  
 CN [1,2,4]Triazolo[1,5-alpyrimidine-5-carbonitrile, 7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



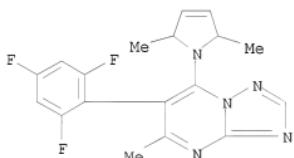
RN 773149-30-7 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)-5-methoxy-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

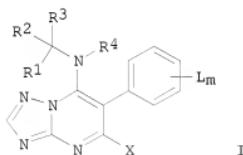


RN 773149-31-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(2,5-dihydro-2,5-dimethyl-1H-pyrrol-1-yl)-5-methyl-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



GI



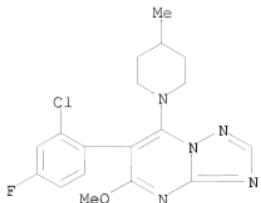
AB Title compds. [I; L = halo, alkyl, haloalkyl, alkoxy, amino, NHR, NR<sub>2</sub>; R = alkyl, alkylcarbonyl; m = 1-5; X = halo, cyano, alkyl, haloalkyl, alkoxy; R<sub>1</sub> = alkyl, haloalkyl; R<sub>2</sub> = H, alkyl, haloalkyl; R<sub>3</sub> = (substituted) alkenyl; R<sub>4</sub> = H, alkyl; R<sub>3</sub>R<sub>4</sub>N = (substituted) 5- or 6-membered unsatd. ring which can be interrupted by O, N, S], were prepared. Thus, 5,7-dichloro-6-(2,4,6-trifluorophenyl)-1,2,4-triazolo[1,5-alpyrimidine, (1-methyl-2-propen-1-yl)amine, and Et<sub>3</sub>N were stirred 16 h in CH<sub>2</sub>Cl<sub>2</sub> at 20-25° to give 5-chloro-6-(2,4,6-trifluorophenyl)-7-(1-methyl-2-propen-1-yl)amino-1,2,4-triazolo[1,5-alpyrimidine. The latter at 250 ppm gave 100% control of *Alternaria solani* on tomato plants.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 22 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:412947 CAPLUS  
 DOCUMENT NUMBER: 140:423695  
 TITLE: Preparation of halogen substituted phenyltriazolopyrimidines for the control of combating phytopathogenic fungi  
 INVENTOR(S): Tormo i Blasco, Jordi; Bleitner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard; et al.; et al.  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 46 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

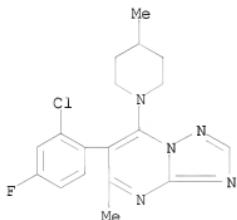
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041824	A2	20040521	WO 2003-EP12276	20031104
WO 2004041824	A3	20040729		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2504827	A1	20040521	CA 2003-2504827	20031104
AU 2003279353	A1	20040607	AU 2003-279353	20031104
EP 1562948	A2	20050817	EP 2003-772300	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016014	A	20050920	BR 2003-16014	20031104
CN 1751045	A	20060322	CN 2003-80102811	20031104
JP 2006519161	T	20060824	JP 2004-549099	20031104
MX 2005PA04620	A	20050608	MX 2005-PA4620	20050429
ZA 2005004590	A	20060830	ZA 2005-4590	20050606
IN 2005CN01154	A	20070824	IN 2005-CN1154	20050607
US 2006241128	A1	20061026	US 2005-532719	20051220
PRIORITY APPLN. INFO.:			EP 2002-24808	A 20021107
			WO 2003-EP12276	W 20031104

OTHER SOURCE(S): MARPAT 140:423695  
 IT 691012-46-1P 691012-47-2P 691012-48-3P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of halogen substituted phenyltriazolopyrimidines as fungicides for combating phytopathogenic fungi)  
 RN 691012-46-1 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-4-fluorophenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



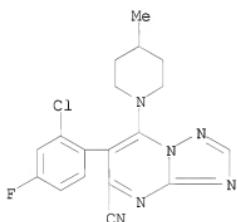
RN 691012-47-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-4-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)

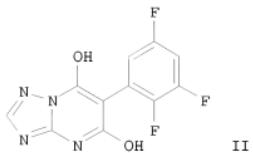
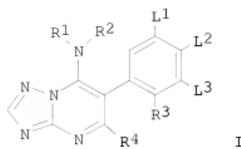


RN 691012-48-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-4-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



GI



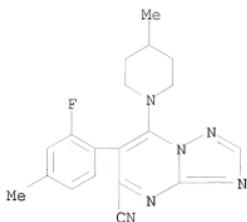
AB Halogen substituted phenyltriazolopyrimidines, I, (R1 = alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, haloalkenyl, cycloalkyl, Ph, naphthyl, or a 5- or 6-membered saturated, unsatd., or aromatic heterocycle, containing one to

four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, R1 and R2 radicals may be substituted as defined in the description, R2 = hydrogen, or a group mentioned for R1; or R1 and R2 together with the adjacent nitrogen atom represent a 5- or 6-membered heterocycle, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, which ring may be substituted as defined in the description; R3 = halogen; L1, L3 independently = H, halogen, or alkyl; L2 = hydrogen, halogen, haloalkyl, or NH<sub>2</sub>, or substituted amine; R4 = halogen, cyano, alkyl, alkoxy, haloalkoxy or alkenyloxy) were prepared as fungicides for combating phytopathogenic fungi. Thus Et 2-(2,3,5-trifluorophenyl)acetate was added to diethylcarbonate and sodium hydride in toluene to give di-Et (2,3,5-trifluorophenyl)-malonate which was treated with 3-amino-1,2,4-triazole to give II. II was reacted with phosphorus oxychloride to give the dichloro compound which when treated with isopropylamine, triethylamine, and dichloromethane to give I (R1 = CMe<sub>2</sub>, R2 = H, R3 = F, L1 = L3 = F, L2 = H) which showed activity against *Alternaria solani*, gray mold (*Botrytis cinerea*), grape downy mildew (*Plasmopara viticola*), *Pyricularia oryzae*, and *Pyrenophora teres*.

LS ANSWER 23 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:892778 CAPLUS  
 DOCUMENT NUMBER: 139:381502  
 TITLE: Preparation of triazolopyrimidines as agricultural fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Blettner, Carsten; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 46 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

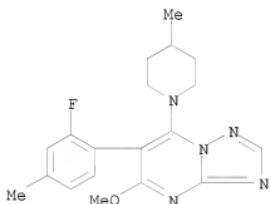
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003093271	A1	20031113	WO 2003-EP4498	20030430
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2482809	A1	20031113	CA 2003-2482809	20030430
AU 2003232227	A1	20031117	AU 2003-232227	20030430
EP 1504009	A1	20050209	EP 2003-747437	20030430
EP 1504009	B1	20060712		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003009637	A	20050308	BR 2003-9637	20030430
CN 1649872	A	20050803	CN 2003-810040	20030430
JP 2005530756	T	20051013	JP 2004-501410	20030430
AT 332900	T	20060815	AT 2003-747437	20030430
ES 2268397	T3	20070316	ES 2003-747437	20030430
MX 2004PA10128	A	20050331	MX 2004-PA10128	20041015
US 2005256138	A1	20051117	US 2004-513030	20041101
US 7094894	B2	20060822		
IN 2004CN02690	A	20060210	IN 2004-CN690	20041129
ZA 2004009768	A	20060222	ZA 2004-9768	20041202
PRIORITY APPLN. INFO.:			DE 2002-10219992	A 20020503
			WO 2003-EP4498	W 20030430

OTHER SOURCE(S): MARPAT 139:381502  
 IT 623562-79-8P 623562-81-2P 623562-82-3P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of triazolopyrimidines as agricultural fungicides)  
 RN 623562-79-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-fluoro-4-methylphenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



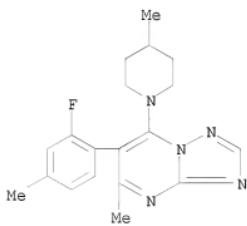
RN 623562-81-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluoro-4-methylphenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)

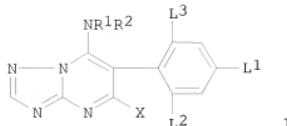


RN 623562-82-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluoro-4-methylphenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



GI



AB Title compds. [I; L1 = alkyl; L2 = halo; L3 = H, halo; X = halo, cyano, alkyl, alkoxy, haloalkoxy; R1, R2 = H, (substituted) alkyl, haloalkyl, cycloalkyl, alkenyl, alkadienyl, alkynyl, cycloalkynyl, Ph, naphthyl, 5-10 membered (saturated) (aromatic) heterocyclyl; or NR1R2 = 5-6 membered (substituted) heterocyclyl], were prepared Thus, a mixture of 14 g 3-amino-1,2,4-triazole, 0.17 mol di-Et (2-fluoro-4-methylphenyl)malonate (preparation given), and Bu3N was heated at 180° for 6 h followed by stirring with a solution of NaOH in H2O for 30 min at 70° to give 39 g 5,7-dihydroxy-6-(2-fluoro-4-methylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine. 30 G of the latter was refluxed with POC13 for 8 h to give 26 g 5,7-dichloro-6-(2-fluoro-4-methylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine. 1.5 Mmol of the latter was treated with a solution of Me2CHNH2, Et3N in CH2Cl2 followed by stirring for 16 h at 25° to give 420 mg 5-chloro-6-(2-fluoro-4-methylphenyl)-7-isopropylamino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 250 ppm gave 93-100% control of Pyrenophora teres on barley.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 24 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:777798 CAPLUS  
 DOCUMENT NUMBER: 139:276917  
 TITLE: Preparation of (amino)(phenyl)triazolopyrimidines as  
 agricultural fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Bleitner, Carsten; Mueller,  
 Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote,  
 Thomas; Gypser, Andreas; Rheinheimer, Joachim;  
 Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja;  
 Ammermann, Eberhard; Strathmann, Siegfried; Lorenz,  
 Gisela; Stierl, Reinhard; Schoefl, Ulrich  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 59 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080615	A1	20031002	WO 2003-EP2847	20030319
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2479766	A1	20031002	CA 2003-2479766	20030319
AU 2003215664	A1	20031008	AU 2003-215664	20030319
EP 1490372	A1	20041229	EP 2003-744812	20030319
EP 1490372	B1	20080116		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008529	A	20050201	BR 2003-8529	20030319
CN 1642957	A	20050720	CN 2003-806656	20030319
JP 2005527543	T	20050915	JP 2003-578369	20030319
NZ 535909	A	20070223	NZ 2003-535909	20030319
MX 2004PA08296	A	20041126	MX 2004-PA8296	20040826
US 2005176736	A1	20050811	US 2004-508409	20040921
US 7148227	B2	20061212		
IN 2004CN02368	A	20070824	IN 2004-CN2368	20041019
ZA 2004008486	A	20051020	ZA 2004-8486	20041020
PRIORITY APPLN. INFO.:			DE 2002-10212739	A 20020321
			DE 2002-10215814	A 20020410
			DE 2002-10258050	A 20021211
			WO 2003-EP2847	W 20030319

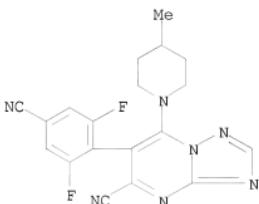
OTHER SOURCE(S): MARPAT 139:276917  
 IT 606922-45-6P, 5-Cyano-6-(2,6-difluoro-4-cyanophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]-triazolo[1,5-a]pyrimidine  
 606922-46-7P, 5-Methoxy-6-(2,6-difluoro-4-cyanophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]-triazolo[1,5-a]pyrimidine  
 606922-47-8P, 5-Methyl-6-(2,6-difluoro-4-cyanophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]-triazolo[1,5-a]pyrimidine  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN

(Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (amino)(phenyl)triazolopyrimidines as agricultural fungicides)

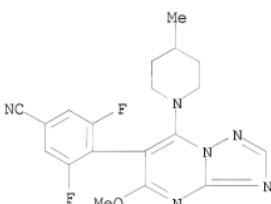
RN 606922-45-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(4-cyano-2,6-difluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



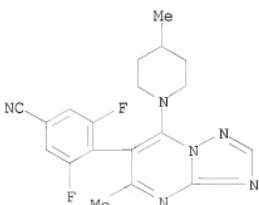
RN 606922-46-7 CAPLUS

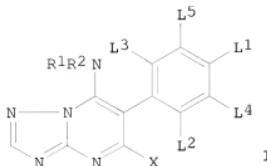
CN Benzonitrile, 3,5-difluoro-4-[5-methoxy-7-(4-methyl-1-piperidinyl)][1,2,4]triazolo[1,5-a]pyrimidin-6-yl- (CA INDEX NAME)



RN 606922-47-8 CAPLUS

CN Benzonitrile, 3,5-difluoro-4-[5-methyl-7-(4-methyl-1-piperidinyl)][1,2,4]triazolo[1,5-a]pyrimidin-6-yl- (CA INDEX NAME)





AB Title compds. [I; L1 = cyano, SOnAl, COA2; Al = H, OH, alkyl, (di)alkylamino; A2 = H, OH, alkyl, (di)alkylamino, Cl-8 alkoxy, Cl-6 haloalkoxy; n = 0-2; L2, L3 = H, halo; L4, L5 = H, halo, alkyl; X = halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy; R1 = (substituted) alkyl, haloalkyl, cycloalkyl, alkynyl, haloalkynyl, cycloalkynyl, Ph, naphthyl, 5-10 membered (saturated) aromatic heterocyclyl; R2 = H, R1; or NR1R2 = 5-6 membered heterocyclyl], were prepared. Thus, 6 mmol 5,7-dichloro-6-(2,6-difluoro-4-thiomethylphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (preparation given) was stirred with a solution of 2-amino-1,1,1-trifluoropropane and Et3N in CH2Cl2 for 16 h at 20°-25° to give 1.2 g 5-chloro-6-(2,6-difluoro-4-thiomethylphenyl)-7-(1,1,1-trifluoroprop-2-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 200 ppm gave 93-100% control of *Alternaria solani* on tomato.

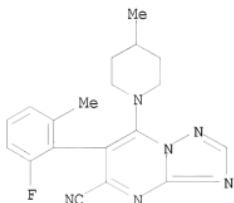
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:76783 CAPLUS  
 DOCUMENT NUMBER: 138:137323  
 TITLE: Substituted 6-(2-tolyl)-triazolo[1,5-a]pyrimidines as fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Rack, Michael; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.  
 SOURCE: PCT Int. Appl., 49 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

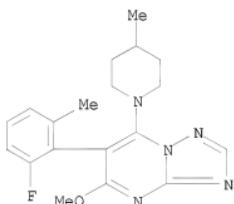
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008417	A1	20030130	WO 2002-EP7578	20020708
WO 2003008417	A9	20030130		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2453639	A1	20030130	CA 2002-2453639	20020708
AU 2002333234	A1	20030303	AU 2002-333234	20020708
EP 1412359	A1	20040428	EP 2002-787094	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002011180	A	20040810	BR 2002-11180	20020708
CN 1533393	A	20040929	CN 2002-814398	20020708
HU 2004001746	A2	20041228	HU 2004-1746	20020708
JP 2005504744	T	20050217	JP 2003-513976	20020708
NZ 531065	A	20050429	NZ 2002-531065	20020708
US 2004162286	A1	20040819	US 2004-483600	20040112
MX 2004PA00371	A	20040504	MX 2004-PA371	20040113
IN 2004CN00314	A	20051223	IN 2004-CN314	20040216
ZA 2004001256	A	20050310	ZA 2004-1256	20040217
PRIORITY APPLN. INFO.:			EP 2001-117402	A 20010718
			WO 2002-EP7578	W 20020708

OTHER SOURCE(S): MARPAT 138:137323  
 IT 491854-62-7P, 5-Cyano-6-(6-fluoro-2-methylphenyl)-7-[4-methylpiperidinyl]-1[2,4]triazolo[1,5-a]pyrimidine 491854-63-8P, 5-Methoxy-6-(6-fluoro-2-methylphenyl)-7-[4-methylpiperidinyl]-1[2,4]triazolo[1,5-a]pyrimidine 491854-97-8P, 5-Methyl-6-(6-fluoro-2-methylphenyl)-7-[4-methylpiperidinyl]-1[2,4]triazolo[1,5-a]pyrimidine  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

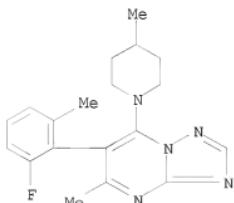
(substituted 6-(2-tolyl)-triazolopyrimidines as fungicides)  
RN 491854-62-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-fluoro-6-methylphenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



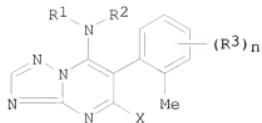
RN 491854-63-8 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluoro-6-methylphenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



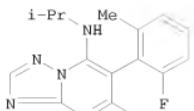
RN 491854-97-8 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluoro-6-methylphenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



GI



I



II

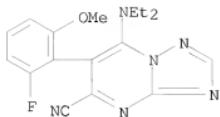
AB Title compds. I [R1-2 = H, alk(en/yn)yl, alkadienyl, etc.; R3 = halo, CN, alkyl, alkoxy, haloalkyl, etc.; n = 1-4; X = halo, CN, alkyl, alkoxy, etc.] are prepared. For instance, 3-amino-1,2,4-triazole and di-Et (2-fluoro-6-methylphenyl)malonate (preparation given) are reacted (n-Bu3N, 180°, 6 h) and the intermediate treated with NaOH to give 5,7-dihydroxy-6-(2-fluoro-6-methylphenyl)-[1,2,4]triazolo[1,5-a]pyrimidine. This is converted to the dichloro derivative (POCl3, reflux, 8 h) and reacted with i-PrNH2 (Et3N, CH2Cl2) to yield II. Several example compds. at 63 ppm gave 97% control of *Alternaria solani* on tomato. I are useful for combating phytopathogenic fungi.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 26 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:76782 CAPLUS  
 DOCUMENT NUMBER: 138:137322  
 TITLE: Preparation of 6-(2-methoxyphenyl)triazolo[1,5-a]pyrimidines as agrochemical fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Rack, Michael; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.  
 SOURCE: PCT Int. Appl., 38 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

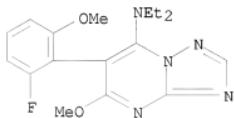
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008416	A1	20030130	WO 2002-EP7577	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002319287	A1	20030303	AU 2002-319287	20020708
EP 1412356	A1	20040428	EP 2002-748847	20020708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005504743	T	20050217	JP 2003-513975	20020708
US 2004167136	A1	20040826	US 2004-483599	20040112
US 7038047	B2	20060502		
PRIORITY APPLN. INFO.:			EP 2001-117406	A 20010718
			WO 2002-EP7577	W 20020708

OTHER SOURCE(S): MARPAT 138:137322  
 IT 491852-38-1P 491852-39-2P 491852-40-5P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of methoxyphenyltriazolopyrimidines as fungicides)  
 RN 491852-38-1 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 7-(diethylamino)-6-(2-fluoro-6-methoxyphenyl)- (CA INDEX NAME)



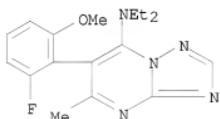
RN 491852-39-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N,N-diethyl-6-(2-fluoro-6-methoxyphenyl)-5-methoxy- (CA INDEX NAME)

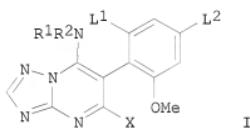


RN 491852-40-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N,N-diethyl-6-(2-fluoro-6-methoxyphenyl)-5-methyl- (CA INDEX NAME)



GI



AB Title compds. (I;  $R_1, R_2 = H$ , (substituted) alkyl, alkenyl, alkynyl, alkadienyl, haloalkyl, haloalkenyl, cycloalkyl, Ph, naphthyl, 5-6 membered (aromatic) heterocyclyl containing 1-4 N atoms or 1-3 N atoms and 1 S or O atom;

$R_1R_2N$  = (substituted) 5- or 6-membered heterocyclic ring containing 1-4 N atoms or 1-3 N atoms and 1 S or O atom;  $L^1, L^2 = H$ , halo, provided that  $\geq 1$  of  $L^1, L^2 =$  halo;  $X =$  halo, cyano, alkyl, alkoxy, haloalkoxy, alkenyloxy, were prepared Thus, 1,1,1-trifluoroprop-2-ylamine and

5,7-dichloro-6-(4,6-difluoro-2-methoxyphenyl)-1,2,4-triazolo[1,5-a]pyrimidine (preparation given) were stirred 16 h to give 5-chloro-6-(4,6-difluoro-2-methoxyphenyl)-7-(1,1,1-trifluoroprop-2-yl)amino-1,2,4-triazolo[1,5-a]pyrimidine. The latter at 50 ppm on beet seedlings reduced Cercospora beticola infection to  $\leq 7\%$ , vs 90% for untreated controls.

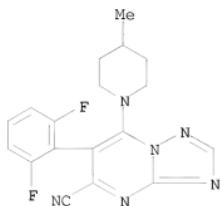
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 27 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:76781 CAPLUS  
 DOCUMENT NUMBER: 138:137321  
 TITLE: Preparation of 6-(2,6-difluorophenyl)-triazolo[1,5-a]pyrimidines as fungicides  
 INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo; Schaefer, Peter; Schieweck, Frank; Ammermann, Eberhard; Strathmann, Siegfried; Lorenz, Gisela; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.  
 SOURCE: PCT Int. Appl., 28 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

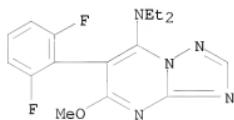
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003008415	A1	20030130	WO 2002-EP7575	20020708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2453638	A1	20030130	CA 2002-2453638	20020708
AU 2002354859	A1	20030303	AU 2002-354859	20020708
EP 1412358	A1	20040428	EP 2002-751120	20020708
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HU 2004001048	A2	20040928	HU 2004-1048	20020708
HU 2004001048	A3	20070228		
CN 1533394	A	20040929	CN 2002-814411	20020708
BR 2002011179	A	20041019	BR 2002-11179	20020708
JP 2005500334	T	20050106	JP 2003-513974	20020708
NZ 531066	A	20050429	NZ 2002-531066	20020708
MX 2004PA00044	A	20040521	MX 2004-PA44	20040107
US 2004162428	A1	20040819	US 2004-483597	20040112
IN 2004CN00313	A	20051223	IN 2004-CN313	20040216
ZA 2004001255	A	20050310	ZA 2004-1255	20040217
PRIORITY APPLN. INFO.:			EP 2001-117404	A 20010718
			WO 2002-EP7575	W 20020708

OTHER SOURCE(S): MARPAT 138:137321  
 IT 491860-07-2P, 5-Cyano-6-(2,6-difluorophenyl)-7-(4-methylpiperidinyl)-[1,2,4]triazolo[1,5-a]pyrimidine 491860-08-3P, 5-Methoxy-6-(2,6-difluorophenyl)-7-(diethylamino)-[1,2,4]triazolo[1,5-a]pyrimidine  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of 6-(2,6-difluorophenyl)-triazolo[1,5-a]pyrimidines as fungicides)

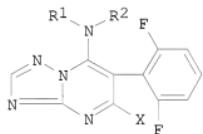
RN 491860-07-2 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2,6-difluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



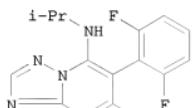
RN 491860-08-3 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2,6-difluorophenyl)-N,N-diethyl-5-methoxy- (CA INDEX NAME)



GI



I



II

AB Title compds. I [R1-2 = H, alk(en/yn)yl, alkadienyl, etc.; X = halo, CN, alkyl, alkoxy, etc.] are prepared. For instance, 3-amino-1,2,4-triazole and di-Et (2,6-difluorophenyl)malonate are reacted (n-Bu3N, 180°, 6 h) and the intermediate treated with NaOH to give 5,7-dihydroxy-6-(2,6-difluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine. This is converted to the dichloro derivative (POCl3, reflux, 8 h) and reacted with i-PrNH2 (Et3N, CH2Cl2) to yield II. Several example compds. at 250 ppm gave 99% control of *Altenaria solani* on tomato. I are useful for combating phytopathogenic fungi.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2002:814135 CAPLUS

DOCUMENT NUMBER: 137:325429

TITLE: Preparation of 6-(2-chloro-6-fluorophenyl)-

triazolopyrimidines as agrochemical fungicides

INVENTOR(S): Tormo i Blasco, Jordi; Sauter, Hubert; Mueller, Bernd;

Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas;

Gypser, Andreas; Rheinheimer, Joachim; Rose, Ingo;

Schaefer, Peter; Schiewek, Frank; Ammermann,

Eberhard; Strathmann, Siegfried; Lorenz, Gisela;

Stierl, Reinhard

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 32 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002083677	A1	20021024	WO 2002-EP3830	20020406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002257758	A1	20021028	AU 2002-257758	20020406
EP 1381610	A1	20040121	EP 2002-727534	20020406
EP 1381610	B1	20040825		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 200426767	T	20040902	JP 2002-581432	20020406
AT 274518	T	20040915	AT 2002-727534	20020406
ES 2225784	T3	20050316	ES 2002-727534	20020406
US 2004110751	A1	20040610	US 2003-474461	20031008
US 7071334	B2	20060704		
PRIORITY APPLN. INFO.:			EP 2001-109010	A 20010411
			WO 2002-EP3830	W 20020406

OTHER SOURCE(S): MARPAT 137:325429

IT 388060-18-2P 388060-77-3P 473465-98-4P

473465-99-5P 473466-00-1P 473466-01-2P

473466-02-3P 473466-03-4P 473466-04-5P

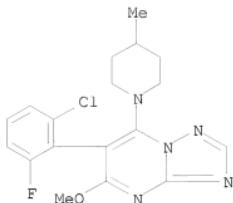
473466-06-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 6-(2-chloro-6-fluorophenyl)triazolopyrimidines as agrochem. fungicides)

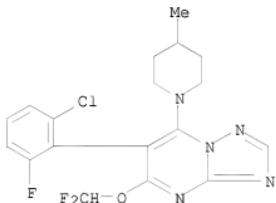
RN 388060-18-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



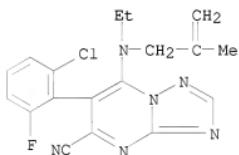
RN 388060-77-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-(difluoromethoxy)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



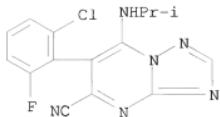
RN 473465-98-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-6-fluorophenyl)-7-[ethyl(2-methyl-2-propenyl)amino]- (9CI) (CA INDEX NAME)



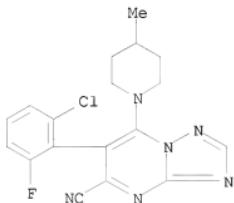
RN 473465-99-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-6-fluorophenyl)-7-(1-methylethylamino)- (CA INDEX NAME)



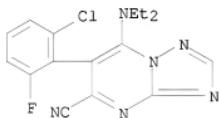
RN 473466-00-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



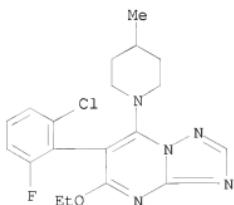
RN 473466-01-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-6-fluorophenyl)-7-(diethylamino)- (CA INDEX NAME)

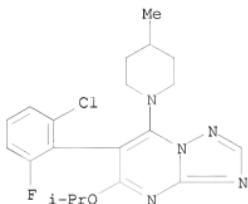


RN 473466-02-3 CAPLUS

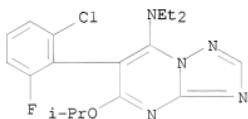
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-ethoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



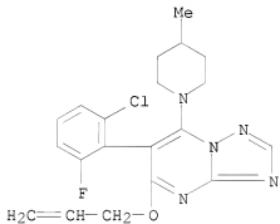
RN 473466-03-4 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-(1-methylethoxy)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



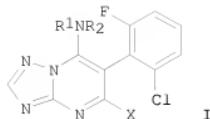
RN 473466-04-5 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-(1-methylethoxy)- (CA INDEX NAME)



RN 473466-06-7 CAPLUS  
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)-5-(2-propenyl)- (9CI) (CA INDEX NAME)



GI

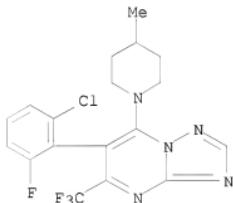


AB The title compds. [I; R1, R2 = H, alkyl, (un)substituted Ph, heterocyclyl, etc.; or NR1R2 = (un)substituted 5-6 membered heterocyclic ring; X = CN, alkoxy, haloalkoxy, alkenyloxy], useful for combating phytopathogenic fungi, were prepared. Thus, treating I [NR1R2 = 4-methylpiperidino; X = Cl] with NaOMe in MeOH afforded I [NR1R2 = 4-methylpiperidino; X = OMe]. The tomato plants (infested by *Alternaria solani*) which had been treated with 63 ppm of the latter showed an infection of up 3%, whereas the untreated plants were infected to 100%.

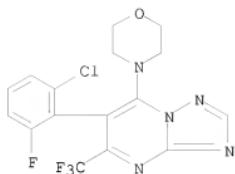
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:807309 CAPLUS  
 DOCUMENT NUMBER: 137:325424  
 TITLE: Preparation of 5-(haloalkyl)azolopyrimidines and their use as pesticides  
 INVENTOR(S): Miyahara, Osamu; Hamamura, Hiroshi; Hirai, Yukio; Yokota, Yori  
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002308879	A	20021023	JP 2001-115989	20010413
PRIORITY APPLN. INFO.:			JP 2001-115989	20010413
OTHER SOURCE(S):	MARPAT	137:325424		
IT	473435-07-3P	473435-11-9P	473435-13-1P	
	473435-15-3P	473435-18-6P	473435-20-0P	
	473435-24-4P	473435-26-6P	473435-28-8P	
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)	(preparation of 5-(haloalkyl)azolopyrimidines as pesticides)			
RN	473435-07-3	CAPLUS		
CN	[1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)-5-(trifluoromethyl)-	(CA INDEX NAME)		

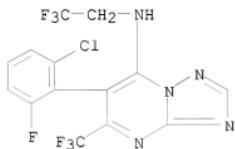


RN 473435-11-9 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-7-(4-morpholinyl)-5-(trifluoromethyl)- (CA INDEX NAME)



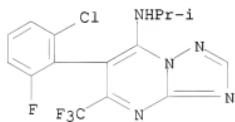
RN 473435-13-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(2,2,2-trifluoroethyl)-5-(trifluoromethyl)- (CA INDEX NAME)



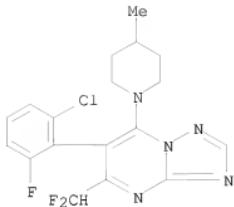
RN 473435-15-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-(1-methylethyl)-5-(trifluoromethyl)- (CA INDEX NAME)



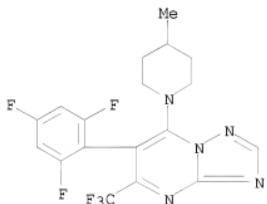
RN 473435-18-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-(difluoromethyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



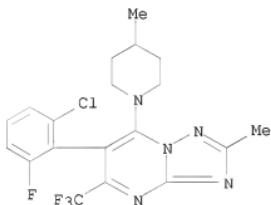
RN 473435-20-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 7-(4-methyl-1-piperidinyl)-5-(trifluoromethyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



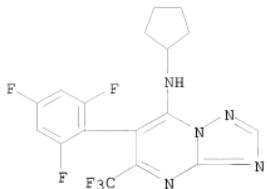
RN 473435-24-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-2-methyl-7-(4-methyl-1-piperidinyl)-5-(trifluoromethyl)- (CA INDEX NAME)



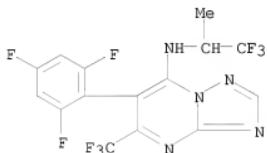
RN 473435-26-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, N-cyclopentyl-5-(trifluoromethyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)

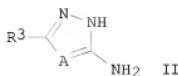
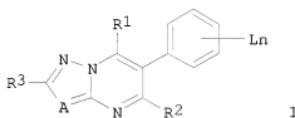


RN 473435-28-8 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 5-(trifluoromethyl)-N-(2,2,2-trifluoro-1-methylethyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



GI



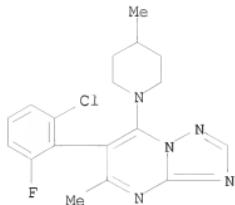
AB Title compds. I [R1 = H, OH, halo, C1-8 (halo)alkyl, C2-8 alkenyl, C2-8

alkynyl, C3-8 cycloalkyl, (un)substituted heterocyclyl, (un)substituted aryl, amino, etc.; R2 = C1-8 haloalkyl; R3 = H, C1-4 alkyl, (un)substituted aryl; L = halo, C1-4 alkyl, C1-3 haloalkyl, C1-4 alkoxy, C1-3 haloalkoxy; n = 0-5; A = N, CH<sub>2</sub> or their salts are useful as marine antifouling agents, insecticides, acaricides (no data), and agrochem. fungicides. I (R1 = OH; R2, R3, L, n, A = same as above) are prepared by treatment of R<sub>2</sub>COCH(C<sub>6</sub>H<sub>5</sub>-nLn)CO<sub>2</sub>R<sub>4</sub> (R<sub>2</sub>, L, n = same as above; R<sub>4</sub> = C1-4 alkyl, (un)substituted Ph) with azoles II (R<sub>3</sub>, A = same as above). Thus, I (R1 = OH, R2 = CF<sub>3</sub>, R3 = H, Ln = 2-Cl-6-F-C<sub>6</sub>H<sub>3</sub>, A = N) was chlorinated with POCl<sub>3</sub> to give the corresponding chloride with 52% yield, which was condensed with 4-pipecoline to afford 85% I (R1 = 4-pipecolino, R2 = CF<sub>3</sub>, R3 = H, Ln = 2-Cl-6-F-C<sub>6</sub>H<sub>3</sub>, A = N). The product showed ≥75% antifungal activity against Venturia inaequalis.

LS ANSWER 30 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2002:31452 CAPLUS  
 DOCUMENT NUMBER: 136:96032  
 TITLE: Substituted triazolopyrimidines as anticancer agents  
 INVENTOR(S): Schmitt, Mark R.; Kirsch, Donald R.; Harris, Jane E.;  
 Beyer, Carl F.; Pees, Klaus-Juergen; Carter, Paul;  
 Pfrengle, Waldemar; Albert, Guido  
 PATENT ASSIGNEE(S): American Home Products Corporation, USA  
 SOURCE: PCT Int. Appl., 405 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

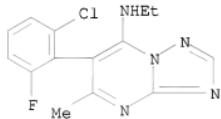
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002563	A2	20020110	WO 2001-US20672	20010628
WO 2002002563	A3	20030103		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2413802	A1	20020110	CA 2001-2413802	20010628
BR 2001012038	A	20030401	BR 2001-12038	20010628
EP 1307200	A2	20030507	EP 2001-952295	20010628
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003000798	A2	20030728	HU 2003-798	20010628
JP 2004502691	T	20040129	JP 2002-507815	20010628
NZ 523807	A	20040924	NZ 2001-523807	20010628
CN 1592624	A	20050309	CN 2001-812055	20010628
US 2002068744	A1	20020606	US 2001-895975	20010629
BG 107277	A	20040130	BG 2002-107277	20021115
MX 2002PA11913	A	20030422	MX 2002-PA11913	20021202
NO 2002006195	A	20030227	NO 2002-6195	20021223
IN 2003KN00001	A	20050311	IN 2003-KN1	20030101
ZA 2003000793	A	20040720	ZA 2003-793	20030129
IN 2007KN00659	A	20070706	IN 2007-KN659	20070222
PRIORITY APPLN. INFO.:			US 2000-215585P	P 20000630
			WO 2001-US20672	W 20010628
			IN 2003-KN1	A3 20030101

OTHER SOURCE(S): MARPAT 136:96032  
 IT 220482-07-5 220482-12-2 220482-13-3  
 388060-18-2 388060-77-3 388061-24-3  
 388061-42-5  
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (triazolopyrimidine derivs. as anticancer agents)  
 RN 220482-07-5 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-  
 (4-methyl-1-piperidinyl)- (CA INDEX NAME)



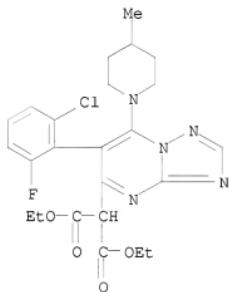
RN 220482-12-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (CA INDEX NAME)



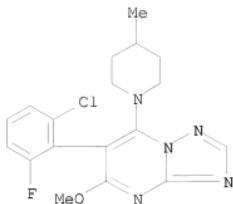
RN 220482-13-3 CAPLUS

CN Propanedioic acid, [6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]-, diethyl ester (9CI) (CA INDEX NAME)



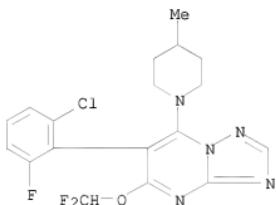
RN 388060-18-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methoxy-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



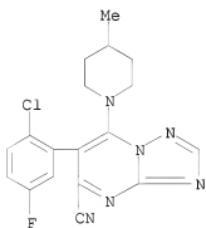
RN 388060-77-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-(difluoromethoxy)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



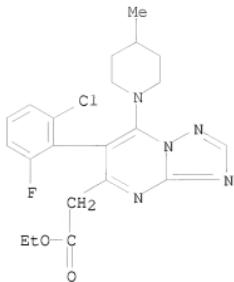
RN 388061-24-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-carbonitrile, 6-(2-chloro-5-fluorophenyl)-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 388061-42-5 CAPLUS

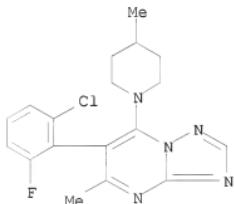
CN [1,2,4]Triazolo[1,5-a]pyrimidine-5-acetic acid, 6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)-, ethyl ester (CA INDEX NAME)



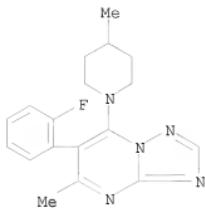
AB A method is provided for treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof which comprises administering to the mammal an effective amount of a substituted triazolopyrimidine derivative or a pharmaceutically acceptable salt thereof. Also provided is a method for treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof by interacting with tubulin and microtubules and promoting microtubule polymerization which comprises administering to the mammal an effective amount of a substituted triazolopyrimidine derivative or a pharmaceutically acceptable salt thereof.

L5 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:761522 CAPLUS  
 DOCUMENT NUMBER: 131:351347  
 TITLE: Preparation of fungicidal 5-alkyl-triazolopyrimidines  
 INVENTOR(S): Pfrengle, Waldemar  
 PATENT ASSIGNEE(S): American Cyanamid Company, USA  
 SOURCE: U.S., 9 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

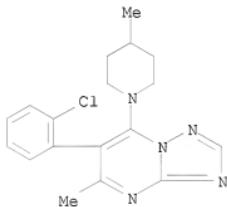
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5994360	A	19991130	US 1998-115496	19980714
			US 1997-52407P	P 19970714
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S):	MARPAT 131:351347			
IT 220482-07-5P	220482-08-6P	220482-09-7P		
220482-11-1P	220482-12-2P	250638-11-0P		
250638-12-1P	250638-13-2P	250638-14-3P		
250638-15-4P	250638-16-5P			
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of fungicidal 5-alkyl-triazolopyrimidines)				
RN 220482-07-5	CAPLUS			
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)				



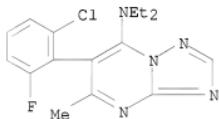
RN 220482-08-6 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



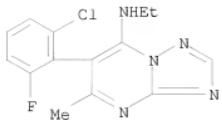
RN 220482-09-7 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



RN 220482-11-1 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (CA INDEX NAME)

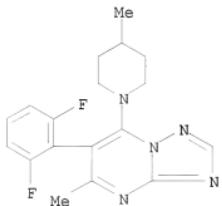


RN 220482-12-2 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (CA INDEX NAME)



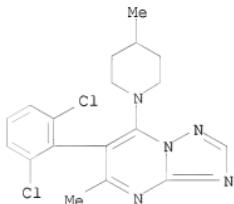
RN 250638-11-0 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-difluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



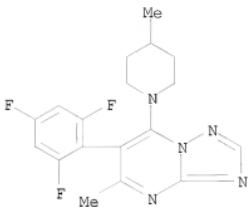
RN 250638-12-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2,6-dichlorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



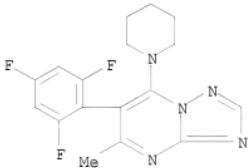
RN 250638-13-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



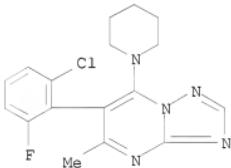
RN 250638-14-3 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 5-methyl-7-(1-piperidinyl)-6-(2,4,6-trifluorophenyl)- (CA INDEX NAME)



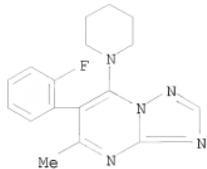
RN 250638-15-4 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(1-piperidinyl)- (CA INDEX NAME)

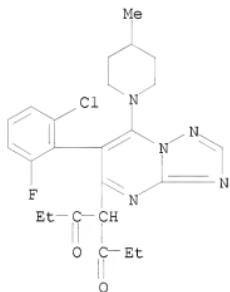


RN 250638-16-5 CAPLUS

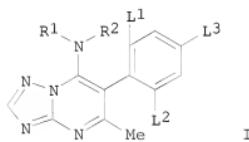
CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methyl-7-(1-piperidinyl)- (CA INDEX NAME)



IT 250638-17-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of fungicidal 5-alkyl-triazolopyrimidines)  
 RN 250638-17-6 CAPLUS  
 CN 3,5-Heptanedione, 4-[6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]- (CA INDEX NAME)



GI



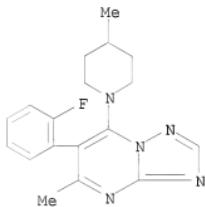
AB The title compds. [I; NR1R2 = piperidino, 4-methylpiperidino; L1-L3 = H, F, Cl (at least one of which being F or Cl) which show selective fungicidal activity, were prepared Thus, reacting 6-(2-chloro-6-

fluorophenyl)-5-chloro-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidine with di-Et malonate in the presence of NaH in MeCN followed by treatment of the resulting di-Et [6-(2-chloro-6-fluorophenyl)-7-(4-methylpiperidin-1-yl)-[1,2,4]triazolo[1,5-a]pyrimidin-yl]malonate with concentrate HCl afforded I [R1R2 = (CH<sub>2</sub>)<sub>2</sub>CH(Me)(CH<sub>2</sub>)<sub>2</sub>; L1 = Cl; L2 = F; L3 = H] which showed ED<sub>50</sub> > 90 at 0.2 mg/mL in test with *Alternaria solani*.

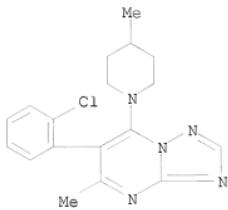
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1999:106975 CAPLUS  
 DOCUMENT NUMBER: 130:168390  
 TITLE: Preparation of 5-alkyltriazolopyrimidines, and  
 agrochemical bactericidal and fungicidal compositions  
 containing them  
 INVENTOR(S): Pfrengle, Waldermar Franz Augustin  
 PATENT ASSIGNEE(S): American Cyanamid Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11035581	A	19990209	JP 1998-208531	19980709
FR 2765875	A1	19990115	FR 1998-8423	19980701
FR 2765875	B1	19991119		
PRIORITY APPLN. INFO.:			US 1997-892495	A 19970714
OTHER SOURCE(S):		MARPAT 130:168390		
IT	220482-08-6P	220482-09-7P	220482-11-1P	
	220482-12-2P			
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)				
RN	220482-08-6	CAPLUS		
CN	[1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)			

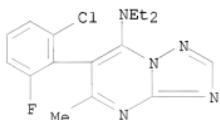


RN 220482-09-7 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chlorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)



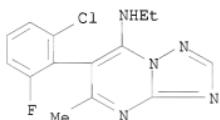
RN 220482-11-1 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N,N-diethyl-5-methyl- (CA INDEX NAME)



RN 220482-12-2 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-(2-chloro-6-fluorophenyl)-N-ethyl-5-methyl- (CA INDEX NAME)

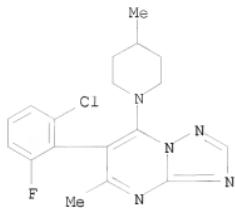


IT 220482-07-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); IMF (Industrial manufacture); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)

RN 220482-07-5 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrimidine, 6-(2-chloro-6-fluorophenyl)-5-methyl-7-(4-methyl-1-piperidinyl)- (CA INDEX NAME)

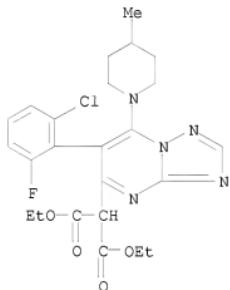


IT 220482-13-3P

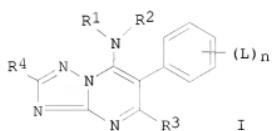
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of 5-alkyltriazolopyrimidines as agrochem. bactericides and fungicides)

RN 220482-13-3 CAPLUS

CN Propanedioic acid, [6-(2-chloro-6-fluorophenyl)-7-(4-methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidin-5-yl]-, diethyl ester (9CI)  
(CA INDEX NAME)



GI

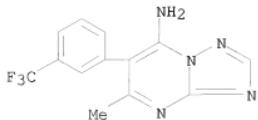


AB The title compds. I [R1 = (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R2 = H, (un)substituted alkyl, alkenyl, alkynyl, aryl, heteroaryl, etc.; R1NR2 may form (un)substituted heterocycl; R3 = alkyl; R4 = H, alkyl, aryl; L = halo, (un)substituted alkyl, alkoxy; A = N, CR5; R5 = similar group as shown in R4; n = 0-5] are claimed. I (R1, R2, R4, A, L, n = same as above; R3 = Me) are prepared by treatment of 5-haloazopyrimidines I (R1, R2, R4, A, L, n = same as above; R3 = halo) with alkyl malonate in the presence of bases, then heating the resulting modified malonate esters with acids. I [R1NR2 = 4-methylpiperidin-1-yl, R3 = CH(CO<sub>2</sub>Et)<sub>2</sub>, R4 = H, A = N, Ln = 2-Cl, 6-F] (0.5 g) was treated with concentrated HCl at 80° for 24 h to give 0.27 g I (R1NR2, R4, A, Ln = same as above, R3 = Me), which showed strong antimicrobial activities.

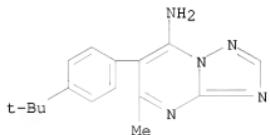
LS ANSWER 33 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1983:215609 CAPLUS  
 DOCUMENT NUMBER: 98:215609  
 ORIGINAL REFERENCE NO.: 98:32789a, 32792a  
 TITLE: 7-Aminoazolo[1,5- $\alpha$ ]pyrimidines and fungicides  
 containing them  
 INVENTOR(S): Eicken, Karl; Scheib, Klaus; Theobald, Hans; Pommer,  
 Ernst Heinrich; Ammermann, Eberhard  
 PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.  
 SOURCE: Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3130633	A1	19830217	DE 1981-3130633	19810801
EP 71792	A2	19830216	EP 1982-106335	19820715
EP 71792	A3	19830406		
EP 71792	B1	19850130		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 11539	T	19850215	AT 1982-106335	19820715
IL 66358	A	19850830	IL 1982-66358	19820720
CA 1180329	A1	19850101	CA 1982-407815	19820722
DD 202093	A5	19830831	DD 1982-242024	19820728
CS 226748	B2	19840416	CS 1982-5723	19820729
DK 8203416	A	19830202	DK 1982-3416	19820730
DK 160020	B	19910114		
DK 160020	C	19910603		
AU 8286659	A	19830210	AU 1982-86659	19820730
AU 553663	B2	19860724		
JP 58043974	A	19830314	JP 1982-132278	19820730
JP 02061955	B	19901221		
ZA 8205498	A	19830727	ZA 1982-5498	19820730
HU 30908	A2	19840428	HU 1982-2474	19820730
HU 188325	B	19860428		
US 4567263	A	19860128	US 1984-651660	19840918
PRIORITY APPLN. INFO.:			DE 1981-3130633	A 19810801
			EP 1982-106335	A 19820715
			US 1982-401346	A1 19820723

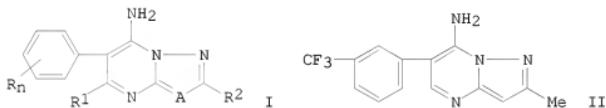
OTHER SOURCE(S): MARPAT 98:215609  
 IT 85841-24-3P 85841-37-8P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of, as fungicide)  
 RN 85841-24-3 CAPLUS  
 CN [1,2,4]Triazolo[1,5- $\alpha$ ]pyrimidin-7-amine, 5-methyl-6-[3-(trifluoromethyl)phenyl]- (CA INDEX NAME)



RN 85841-37-8 CAPLUS  
 CN [1,2,4]Triazolo[1,5-a]pyrimidin-7-amine, 6-[4-(1,1-dimethylethyl)phenyl]-5-methyl- (CA INDEX NAME)



GI



AB I (R = alkyl, aryl, alkoxy, halo, cycloalkyl, cyano, etc.; n = 1 or 2; R1, R2 = H, alkyl, aryl; A = N or CR3, where R3 = alkyl, aryl, halo, etc.) were prepared and shown to be superior as fungicides to, e.g., N-[(trichloromethyl)thiophthalimide. Thus, 3-CF3C6H4CH(CN)CHO was refluxed with 5-methyl-3-pyrazolamine in AcOH 4 h to give II.

LS ANSWER 34 OF 34 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1948:33759 CAPLUS

DOCUMENT NUMBER: 42:33759

ORIGINAL REFERENCE NO.: 42:7178h-i, 7179a-i, 7180a-i

TITLE: Stabilizers for photographic emulsions

INVENTOR(S): Heimbach, Newton; Kelly, Walter, Jr.

PATENT ASSIGNEE(S): General Aniline & Film Corp.

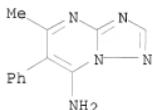
DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 244605	-----	19480706	US 1945-635334	19451215
IT 856864-28-3P	s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl-			
RL: PREP (Preparation)	(preparation of)			
RN 856864-28-3	CAPLUS			
CN s-Triazolo[1,5-a]pyrimidine, 7-amino-5-methyl-6-phenyl- (5CI)	(CA INDEX NAME)			



GI For diagram(s), see printed CA Issue.

AB Light-sensitive Ag halide emulsions are stabilized by hydroxy-1,3,4-triazaindolizines (I) obtained by the condensation of a  $\beta$ -keto ester, a malonic acid ester, or a mononitrile of a malonic acid ester with an aminotriazole. In I R is H, alkyl, alicyclic, aryl, or a heterocyclic, R' is H, alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R, and R'' is either NH<sub>2</sub>, OH, carbalkoxy, alkyl, or an alicyclic or heterocyclic radical of the same value as R. When R and R' are H, R'' must be a radical other than alkyl. I is prepared by refluxing 1 mol. of the  $\beta$ -keto ester, malonic ester, or mononitrile of a malonic ester with 1 mol. 3-amino-1,2,4-triazole at reflux temperature in the presence of a solvent, e.g., glacial AcOH, 3-8 hrs.; during the treatment H<sub>2</sub>O and alc. are formed. As the condensation proceeds the final product either ppts. from solution during the reaction or is removed by diluting the solvent with H<sub>2</sub>O, EtOH, etc. Suitable  $\beta$ -keto esters are acetoacetic ester, malonic esters and mononitriles are di-Me malonate, Et cyanoacetate, and 5-amino-1,2,4,1H-triazoles are 5-amino-3-methyl-1,2,4,1H-triazole, etc. The following 1,3,4-triazaindolizines have been prepared: 7-hydroxy-6-ethyl-5-methyl (II); 7-hydroxy-6-ethyl-2,5-dimethyl; 7-hydroxy-5-methyl-2-phenyl; 7-hydroxy-2-methyl-5-phenyl; 7-hydroxy-5-phenyl (III); 7-hydroxy-2,5-diphenyl; 7-hydroxy-2-isopropyl-5-methyl; 7-hydroxy-2,5-dimethyl; 5,7-dihydroxy; 7-hydroxy-5-amino; 7-hydroxy-5-carbethoxy; 7-hydroxy-5-(3-pyridyl) (IV); 7-hydroxy-2-cyclohexyl-5-methyl; 7-hydroxy-2-(2-furyl)-5-methyl; 7-hydroxy-5-cyclohexyl; 7-hydroxy-6-cyclohexyl-5-methyl; 7-hydroxy-6-(2-furyl)-5-methyl; 7-hydroxy-5-methyl-6-phenyl. In preparing an emulsion with stabilizers, a solution of the stabilizer in a solvent, e.g., alc. or

alc.-H<sub>2</sub>O, pH 7.5-10, is made and the solution mixed with the emulsion during ripening or prior to coating in concns. of 25-500 mg. per l. of emulsion. Testing of stabilizers used in the following examples consists of coating 2 film strips, e.g., cellulose acetate, with the same emulsion, one with and one without stabilizer, storing the emulsions in an incubator for 6 days at 50°, then processing in the usual way. The fog d. in the unexposed areas in the emulsions is measured in a transmission densitometer. A gelatin-bromoiode emulsion without stabilizer gave a fog d. of 0.28 while another film coated with the same emulsion containing an addition of 100 mg. IV per 1 l. emulsion equivalent to 50 g. Ag halide, gave a fog d. of 0.08; an equivalent quantity of III substituted for IV gave the same results; 75 mg. II substituted for 100 mg. IV gave a fog d. of 0.1. Emulsions containing these stabilizers not only reduce fog produced by incubation or by long storage, but also diminish or eliminate changes of speed to which some emulsions are susceptible. Stabilizers are used in orthochromatic, panchromatic, nonsensitized, and x-ray emulsions. If used with sensitizing dyes they are added to the emulsion before or after the dyes are added. Dispersing agents for Ag halides are gelatin or H<sub>2</sub>O-soluble cellulose derivs., e.g., hydroxyethylcellulose. Stabilizers are employed in gelatin or other colloid, e.g., polyamides, as an under- or overcoat for the emulsion or as backing layer for the support. They may be incorporated in the support for the sensitive emulsion layer or in an intermediate layer between the sensitive emulsion layer and the support, such as the baryta coating used in photographic papers, or incorporated in a protective layer coated on the emulsion surface, or the finished photographic material may be bathed in an alc. or alc.-H<sub>2</sub>O solution containing the stabilizer. In U.S. 2,444,606, I are obtained by the condensation of a  $\beta$ -keto or  $\beta$ -imino nitrile with a 5-amino-1,2,4,1H-triazole; R and R' are H, alkyl, alicyclic, aryl, or a heterocyclic radical, and R'' is either alkyl, alicyclic, aryl, or a heterocyclic radical of the same value as R. Suitable  $\beta$ -keto nitriles are acetylacetone nitrile and  $\beta$ -imino nitriles,  $\beta$ -iminobutyronitrile. As condensation between the  $\beta$ -keto or  $\beta$ -imino group and the primary amino group of the 5-amino-1,2,4,1H-triazole proceeds the final product either ppts. or is removed by diluting the solvent with H<sub>2</sub>O, EtOH, or Me<sub>2</sub>CO. The following 1,3,4-triazaindolizines have been prepared: 7-amino-5-methyl (V); 7-amino-5-phenyl (VI); 7-amino-5-methyl-2-phenyl (VII); 7-amino-6-ethyl-5-methyl; 7-amino-5-methyl-6-phenyl; 7-amino-2-(2-furyl)-5-methyl; 7-amino-5-(3-pyridyl); 7-amino-2,5-dimethyl; 7-amino-2-cyclohexyl-5-methyl; 7-amino-5-cyclohexyl; 7-amino-5-methyl-6-(3-pyridyl); 7-amino-5-methyl-6-cyclohexyl. The same testing procedures as in U.S. 2,444,606 were used: In the 1st example, V gave the same results; in the 2nd example, VI gave the same results; in the 3rd example, 75 mg. VII substituted for 100 mg. V gave a fog d. of 0.1. In U.S. 2,444,608, the preparation of 1,3-bis(5-amino-1,3,4,1H-triazolyl)oxopropenes (VIII), where R is H or alkyl, R' is alkyl of the same value as R, aryl, or aralkyl, and R'' is either H, allyl, or alkyl of the same value as R, by condensing a  $\beta$ -keto ester or anilide thereof with a 5-amino-1,2,4,1H-triazole, and their use as stabilizers to prevent fog and increase stability are given. Suitable  $\beta$ -keto esters and anilides are, e.g., Et acetoacetate, Et tolylacetylestaniide. Condensation is carried out by heating the reagents at 150-60° with C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub> for from 10 min. to 2 hrs. The final product either ppts. or is removed by diluting with an aromatic hydrocarbon, e.g., PhMe, or an oxygenated solvent, e.g., EtOH, and recrystd. from H<sub>2</sub>O. Instead of heating, the reactants may be allowed to stand in cold 5-20% aqueous NaOH or KOH for several days at room temperature, diluted with an equal volume of H<sub>2</sub>O, and warmed to redissolve the product. Cold glacial AcOH is added and, after chilling, the product is filtered, washed

in cold H<sub>2</sub>O, and recrystd. from boiling H<sub>2</sub>O. The following 2-propen-1-ones have been prepared: 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl (IX); 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl (X); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl (XI); 1,3-bis(5-amino-3-methyl-1,2,4,1H-triazol-1-yl)-3-methyl-2-allyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-phenyl; 1,3-bis(5-amino-1,2,4,1H-triazol-1-yl)-3-methyl; 1,3-bis(5-amino-3-ethyl-1,2,4,1H-triazol-1-yl)-2,3-dimethyl. The following examples illustrate the preparation of the compds.: Example 1. To 15 cc. C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub>, 8.4 g. 5-amino-1,2,4,1H-triazole and 8.5 g. Et  $\alpha$ -allylacetoacetate were added and the mixture was heated to 150-60° 1 hr., cooled to room temperature, and the product precipitated with Et<sub>2</sub>O. The precipitate was washed with Et<sub>2</sub>O and recrystd. from H<sub>2</sub>O with charcoal.

Example 2. 8.4 g. 5-amino-1,2,4,1H-triazole was dissolved in 15 cc. H<sub>2</sub>O, the mixture cooled to room temperature, and 13 g. ethyl acetoacetate added.

After standing 15 min., a cold solution of 4 g. NaOH in 10 cc. H<sub>2</sub>O was added slowly with cooling to keep at room temperature. After standing for 2 days, the mixture

was diluted to 40 cc. and warmed to redissolve the precipitate, then 6 g. cold glacial AcOH added, and, after chilling, the product filtered, washed with H<sub>2</sub>O, and recrystd. from boiling H<sub>2</sub>O. Example 3. To 15 cc. C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub>, 9.8 g. 5-amino-3-methyl-1,2,4,1H-triazole and 6.5 g. Et acetoacetate were added and the mixture was heated to 150-60° 1 hr., cooled to room temperature, and the product isolated by diluting with Et<sub>2</sub>O and recrystg. from H<sub>2</sub>O.

Example 4. Example 3 was repeated except that 96 g. Et benzoylacetate was substituted for 6.5 g. Et acetoacetate. By the same procedure as used in the 1st example of U.S. 2,444,605 in testing VII as stabilizers, IX had a fog d. of 0.06; an equivalent amount of X gave the same results; 75 mg. XI substituted for 100 mg. IX gave a fog d. of 0.1. Cf. preceding and following abstrs.

=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	195.22	373.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-27.20	-27.20

STN INTERNATIONAL LOGOFF AT 00:23:17 ON 12 FEB 2008